

db.systemsbioology.net/sbeams/cgi/PeptideAtlas/GetProtein?atlas_build_id=5598&protein_name=Q14766-4&action=QUERY

PeptideAtlas

MENU

Search

All Builds

Current Build

Queries

SRMATlas

Submission

SWATH/DIA

Peptide

Protein

Log In

PeptideAtlas Build: Human Plasma 2023-04

Protein Name: Q14766-4

Experiment Categories: ?

QUERY

Show/hide extra fields ?

Q14766-4

Status: indistinguishable representative ?

Q14766-4

Protein Name

Q14766-4

Gene Symbol

PEFF PName

Latent-transforming growth factor beta-binding protein 1 isoform Iso 4

PEFF GName

LTBP1

PEFF NcbiTaxid

9606

PEFF TaxName

Homo Sapiens

PEFF Length

1722

PEFF SV

4

PEFF EV

207

PEFF PE

1

PEFF ModResPsi

(191|MOD:00798|half cystine)(201|MOD:00798|half cystine)(195|MOD:00798|half cystine)(207|MOD:00798|half cystine)(209|MOD:00798|half cystine)(218|MOD:00798|half cystine)(321|MOD:00046|O-phospho-L-serine)(403|MOD:00798|half cystine)(413|MOD:00798|half cystine)(407|MOD:00798|half cystine)(419|MOD:00798|half cystine)(421|MOD:00798|half cystine)(430|MOD:00798|half cystine)(559|MOD:00798|half cystine)(581|MOD:00798|half cystine)(568|MOD:00798|half cystine)(594|MOD:00798|half cystine)(582|MOD:00798|half cystine)(597|MOD:00798|half cystine)(630|MOD:00798|half cystine)(641|MOD:00798|half cystine)(636|MOD:00798|half cystine)(650|MOD:00798|half cystine)(652|MOD:00798|half cystine)(665|MOD:00798|half cystine)(679|MOD:00798|half cystine)(702|MOD:00798|half cystine)(689|MOD:00798|half cystine)(714|MOD:00798|half cystine)(703|MOD:00798|half cystine)(717|MOD:00798|half cystine)(704|MOD:00798|half cystine)(729|MOD:00798|half cystine)(787|MOD:00046|O-phospho-L-serine)(878|MOD:00798|half cystine)(890|MOD:00798|half cystine)(885|MOD:00798|half cystine)(899|MOD:00798|half cystine)(901|MOD:00798|half cystine)(914|MOD:00798|half cystine)(920|MOD:00798|half cystine)(932|MOD:00798|half cystine)(927|MOD:00798|half cystine)(941|MOD:00798|half cystine)(943|MOD:00798|half cystine)(956|MOD:00798|half cystine)(962|MOD:00798|half cystine)(973|MOD:00798|half cystine)(968|MOD:00798|half cystine)(982|MOD:00798|half cystine)(975|MOD:00035|(2S,3R)-3-hydroxyasparagine)(985|MOD:00798|half cystine) ...more

PEFF ModRes

(167|N-linked (GlcNAc...) asparagine)(296|O-linked (GalNAc...) serine)(304|O-linked (GalNAc...) threonine)(326|O-linked (GalNAc...) threonine)(347|N-linked (GlcNAc...) asparagine)(357|O-linked (GalNAc...) threonine)(378|N-linked (GlcNAc...) asparagine)(424|N-linked (GlcNAc...) asparagine)(438|O-linked (GalNAc...) serine)(460|O-linked (GalNAc...) serine)(461|O-linked (GalNAc...) threonine)(463|O-linked (GalNAc...) threonine)(467|O-linked (GalNAc...) threonine)(469|O-linked (GalNAc...) threonine)(470|O-linked (GalNAc...) serine)(501|O-linked (GalNAc...) serine)(533|O-linked (GalNAc...) threonine)(536|O-linked (GalNAc...) serine)(537|O-linked (GalNAc...) threonine)(539|O-linked (GalNAc...) serine)(620|N-linked (GlcNAc...) asparagine)(647|O-linked (Glc) serine)(768|O-linked (GalNAc...) serine)(769|O-linked (GalNAc...) threonine)(785|O-linked (GalNAc...) threonine)(801|O-linked (GalNAc...) threonine)(810|O-linked (GalNAc...) serine)(938|O-linked (Glc) serine)(1020|O-linked (Glc) serine)(1060|O-linked (Glc) serine)(1142|O-linked (Glc) serine)(1164|N-linked (GlcNAc...) asparagine)(1198|N-linked (GlcNAc...) asparagine)(1225|O-linked (Glc) serine)(1251|N-linked (GlcNAc...) asparagine)(1334|O-linked (GalNAc...) threonine)(1367|N-linked (GlcNAc...) asparagine)(1367|N-linked (GlcNAc...) (paucimannose) asparagine)(1367|N-linked (GlcNAc...) (complex) asparagine)(1489|O-linked (Glc) serine)(1688|O-linked (Glc) serine)

PEFF VariantSimple

(3|R)(7|M)(7|T)(8|S)(9|W)(10|F)(13|C)(13|S)(14|E)(14|G)(14|V)(18|P)(18|S)(20|L)(22|Y)(23|R)(23|S)(24|G)(27|W)(28|L)(28|V)(30|F)(30|H)(31|L)(31|M)(32|A)(33|Q)(34|Q)(34|R)(35|D)(37|S)(42|T)(42|V)(43|F)(44|S)(45|V)(47|R)(47|W)(49|L)(49|R)(50|H)(50|P)(53|R)(56|I)(58|I)(60|D)(62|C)(63|G)(64|S)(65|N)(67|E)(67|V)(69|P)(71|T)(71|V)(76|Y)(77|A)(78|R)(79|F)(79|G)(81|*)|(81|P)(83|K)(84|A)(84|I)(84|S)(85|L)(87|M)(88|N)(90|A)(92|D)(92|S)(94|G)(95|M)(96|H)(98|H)(100|L)(100|Q)(100|S)(100|T)(101|L)(101|S)(102|L)(104|R)(104|S)(105|L)(105|Q)(106|S)(107|D)(107|Q)(108|A)(109|V)(110|L)(112|V)(113|D)(113|I)(117|H)(119|Q)(120|L)(121|D)(121|I)(121|S)(122|A)(122|T)(123|A)(123|D)(123|S)(124|D)(125|Q)(126|L)(129|P)(129|V)(130|Q)(130|R)(131|V)(133|R)(134|R)(135|R)(136|G)(136|S)(137|E)(138|I)(140|H)(140|S)(141|F)(141|P)(142|E)(142|M)(142|R)(143|M)(144|R)(144|S)(145|E)(145|K)(145|L)(146|D)(146|K)(146|Q)(147|S)(148|H)(148|R)(149|N)(151|V)(153|A)(153|C)(153|P)(154|G)(154|T)(155|M)(157|A)(158|Y)(159|R)(160|R)(163|P)(165|R)(166|I)(166|L)(167|I)(167|S)(168|I)(171|R)(172|P)(172|W)(175|L)(178|G)(178|R)(179|N)(180|G)(180|P)(180|V)(183|F)(183|P)(184|P)(184|R)(185|K)(186|G)(186|R)(190|N)(191|S)(193|L)(193|S)(194|L)(195|*)|(195|G)(196|E)(196|L)(197|D)(199|E)(199|R)(203|Q)(203|W)(204|R)(205|R)(206|F)(207|R)(208|L)(210|E)(211|L)(214|R)(215|A)(216|*)|(217|D)(217|V)(220|A)(221|K)(221|L)(221|M)(221|V)(225|G)(226|A)(227|*)|(227|L)(227|T)(228|L)(229|S)(230|I)(232|*)|(234|*)|(236|A)(238|T)(239|D)(239|T)(239|V) ...more

PEFF VariantComplex

(8|I)(W)(89|95|I)(97|106|Q)(100|100|PP)(104|106|I)(105|106|I)(106|106|I)(106|106|PP)(106|106|PPP)(106|106|PPPP)(124|124|QLHPNPGG)(142|152|S)(223|224|I)(256|256|I)(261|261|P*)|(487|487|VV)(537|539|I)(1050|1050|AFA)(1073|1073|PTP)(1185|1186|*N)(1231|1233|R)(1338|1341|I)(1340|1341|I)(1355|1355|I)(1379|1380|I)(1468|1468|DF)(1478|1722|I)(1497|1497|PSYNCFC.THP)

PEFF Processed

(1|23|PEFF:0001021|signal peptide)(24|1722|PEFF:0001020|mature protein)

Identification Status

indistinguishable representative

ProteinProphet Probability

1.00000

Mult Hyp Testing Probability

0.00000

Estimated concentration

220.0 ng/ml (10x uncertainty)

Distinct Peptides

192

Total Observations

16958

Normalized PSMs per 100K

4.695

GO biological_process

GO:0007179:transforming growth factor beta receptor signaling pathway, GO:0008150:biological_process

GO cellular_component

GO:0005578:proteinaceous extracellular matrix, GO:0005576:extracellular region

GO molecular_function

GO:0005024:transforming growth factor beta receptor activity, GO:0019838:growth factor binding, GO:0005509:calcium ion binding, GO:0005488:binding

Ensembl

ENSP00000346467

RefSeq

XP_011531155.1

Brigham and Women's Hospital - EXHIBIT 2027
PreOmics GmbH and Biognosys AG v. The Brigham and
Women's Hospital, Inc.
IPR2024-01473