

Protein 

COVID-19 is an emerging, rapidly evolving situation.

Get the latest public health information from CDC: <https://www.coronavirus.gov>.Get the latest research from NIH: <https://www.nih.gov/coronavirus>.Find NCBI SARS-CoV-2 literature, sequence, and clinical content: <https://www.ncbi.nlm.nih.gov/sars-cov-2/>.

GenPept

TfdA (plasmid) [Achromobacter denitrificans]

GenBank: AAS49436.1

[Identical Proteins](#) [FASTA](#) [Graphics](#)[Go to:](#)

LOCUS AAS49436 287 aa linear BCT 03-APR-2020

DEFINITION TfdA (plasmid) [Achromobacter denitrificans].

ACCESSION AAS49436

VERSION AAS49436.1

DBLINK BioSample: [SAMN14224287](#)

DBSOURCE accession [AY540995.2](#)

KEYWORDS .

SOURCE Achromobacter denitrificans

ORGANISM [Achromobacter denitrificans](#)
Bacteria; Proteobacteria; Betaproteobacteria; Burkholderiales;
Alcaligenaceae; Achromobacter.

REFERENCE 1 (residues 1 to 287)

AUTHORS Vedler,E., Vahter,M. and Heinaru,A.

TITLE The completely sequenced plasmid pEST4011 contains a novel IncP1 backbone and a catabolic transposon harboring tfd genes for 2,4-dichlorophenoxyacetic acid degradation

JOURNAL J. Bacteriol. 186 (21), 7161-7174 (2004)

PUBMED [15489427](#)

REFERENCE 2 (residues 1 to 287)

AUTHORS Vedler,E.

TITLE Direct Submission

JOURNAL Submitted (04-FEB-2004) Department of Genetics, Institute of Molecular and Cell Biology, Tartu University, 23 Riia Street, Tartu 51010, Estonia

REFERENCE 3 (residues 1 to 287)

AUTHORS Vedler,E.

TITLE Direct Submission

JOURNAL Submitted (06-FEB-2012) Department of Genetics, Institute of Molecular and Cell Biology, Tartu University, 23 Riia Street, Tartu 51010, Estonia

REMARK Sequence update by submitter

COMMENT Method: conceptual translation supplied by author.

FEATURES

Location/Qualifiers

source 1..287
/organism="Achromobacter denitrificans"
/strain="EST4002"
/db_xref="taxon:32992"
/plasmid="pEST4011"

[Protein](#) 1..287
/product="TfdA"

[Region](#) 4..280
/region_name="TauD"
/note="Taurine catabolism dioxygenase TauD, TfdA family;
pfam02668"
/db_xref="CDD:230777"

[Region](#) 8..284
/region_name="TauD"
/note="Taurine dioxygenase, alpha-ketoglutarate-dependent
[Secondary metabolites biosynthesis, transport and
catabolism]; COG2175"
/db_xref="CDD:225086"

[CDS](#) 1..287
/gene="tfdA"
/coded_by="complement(AY540995.2:19666..20529)"
/experiment="experimental evidence, no additional details
recorded"
/note="2,4-D/alpha-ketoglutarate dioxygenase"
/transl_table=11

ORIGIN

1 msitseylhp lfvgqvdkla lqalsptev rdvehqmdqk avlvfrgqpl dddqqiafar

8/24/2020

TfdA (plasmid) [Achromobacter denitrificans] - Protein - NCBI

```
61 nfgqleggf i kvnqrpsr f k yaeladis n v svdgkvre r d arevvg n f a n qlwhsdss f q
121 qpaarys m l s aivlpps g g d tefcdmra a y dd l p e d f k k e l q g l r a e h y a l n s r f i l g d t
181 dysesqr n a m p p v s w p l v r t h a g s g r k f l f i g a h a g h i e g r p v a e g r m l l a e l l e h a t q r
241 k f v y r h s w k v g d l v m w d n r c v l h r g r r y d i t a r r e l r r a t t l d d a v v
```

//