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Log in

Protein

GenPept (full)

leghemoglobin [Pisum sativum]

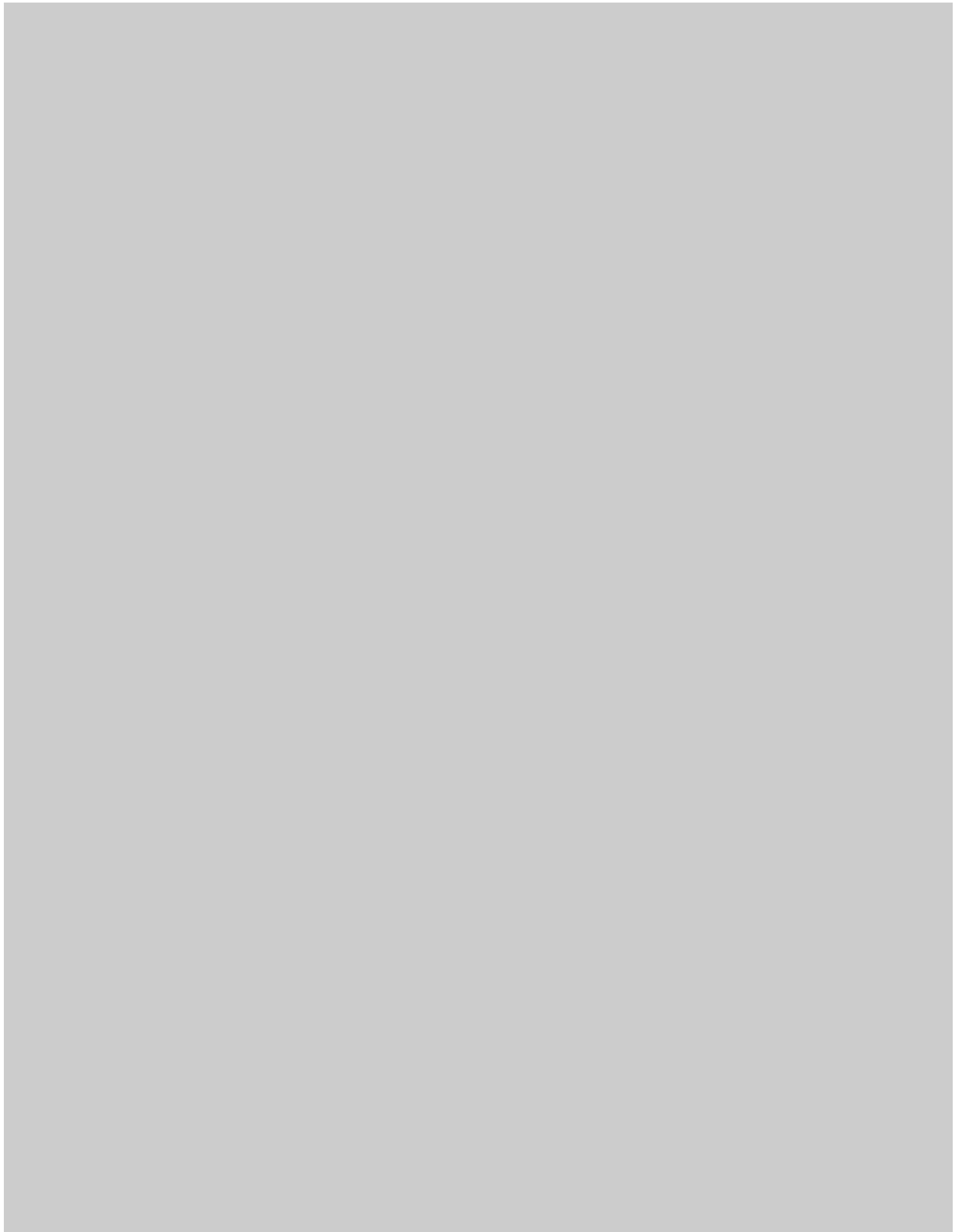
GenBank: BAA24685.1

[Identical Proteins](#) [FASTA](#) [Graphics](#)

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LOCUS	BAA24685	147 aa	linear	PLN 27-MAR-2009
DEFINITION	leghemoglobin [Pisum sativum].			
ACCESSION	BAA24685			
VERSION	BAA24685.1			
DBSOURCE	accession AB010831.1			
KEYWORDS	.			
SOURCE	Pisum sativum (garden pea)			
ORGANISM	Pisum sativum Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta; Spermatophyta; Magnoliopsida; eudicotyledons; Gunneridae; Pentapetalae; rosids; fabids; Fabales; Fabaceae; Papilionoideae; 50 kb inversion clade; NPAAA clade; Hologalegina; IRL clade; Fabeae; Pisum.			
REFERENCE	1			
AUTHORS	Kawashima,K., Suganuma,N., Tamaoki,M. and Kouchi,H.			
TITLE	Two types of pea leghemoglobin genes showing different O2-binding affinities and distinct patterns of spatial expression in nodules			
JOURNAL	Plant Physiol. 125 (2), 641-651 (2001)			
PUBMED	11161022			
REFERENCE	2 (residues 1 to 147)			
AUTHORS	Suganuma,N., Kawashima,K., Tamaoki,M. and Kouchi,H.			
TITLE	Direct Submission			
JOURNAL	Submitted (29-JAN-1998) Contact:Norio Suganuma Aichi University of Education, Department of Life Science; 1 Hirosawa, Igaya, Kariya, Aichi 448-8542, Japan			
FEATURES	Location/Qualifiers			
source	1..147 /organism="Pisum sativum" /cultivar="Sparkle" /db_xref="taxon: 3888 " /clone="PsLb5-10" /tissue_type="nodule" /clone_lib="lambda gt10"			
Protein	1..147 /product="leghemoglobin"			
Region	3..145 /region_name="Globin-like" /note="Globin-like protein superfamily; c121461" /db_xref="CDD: 451252 "			
Site	order(33,62,65..66,69,90,93..94,104,107) /site_type="other" /note="cofactor binding site [chemical binding]" /db_xref="CDD: 381255 "			
CDS	1..147 /gene="PsLb5-10" /gene_synonym="PsN5" /coded_by="AB010831.1:10..453"			
ORIGIN	1 mgftdkqeal vnsswesfkq nlsnlsilfy tiilekapaa kglfsflkdt agvedspklq 61 ahaeqvfglv rdsaaqlrtk gevvlgnatl gaihvrqgvt dphfvvvkea llqtikkasg 121 nnwseeInta wevaydglat aikkamt			

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Revision History

Show difference between I and II as

GenBank/GenPept

Compare

[leghemoglobin \[Pisum sativum\]](#)

147 aa protein

Accession: BAA24685.1 GI: 2842550

Current status: live

I	II	Version	Gi	Accession	Update Date	Action
☒	☐	1	2842550	BAA24685.1	Mar 26, 2009 11:04 PM	
☐	☐	1	2842550	BAA24685.1	Aug 9, 2006 04:07 PM	
☐	☐	1	2842550	BAA24685.1	Jul 24, 2002 12:11 PM	
☐	☐	1	2842550	BAA24685.1	Feb 28, 2001 12:05 AM	
☐	☐	1	2842550	BAA24685.1	Apr 14, 2000 11:14 PM	
☐	☐	1	2842550	BAA24685.1	Mar 17, 1999 05:30 PM	
☐	☒	1	2842550	BAA24685.1	Feb 6, 1998 03:40 AM	

Accession [BAA24685](#) was first seen at NCBI on Feb 6, 1998 03:40 AM

