Probable Transmembrane Ascorbate Ferrireductase 4 (CYB561D) Arabidopsis Thaliana Recombinant Protein

PRODUCT OVERVIEW

Product Name	Probable transmembrane ascorbate ferrireductase 4 (CYB561D), Recombinant Protein
Full Product Name	Recombinant Arabidopsis thaliana Probable transmembrane ascorbate ferrireductase 4 (CYB561D)
Product Gene Name	CYB561D recombinant protein
Sequence	MGSVDPSRLS LVLFARLSGL VVAVSVLYWA LFLPNLGLSY STLHPLLMVI GFILVSGEAI LIHRWLPGSR KTKKAVHLWL QGMALASAVF GIWTKFHYQR GVFANFYSLH SWMGLLSVSL FAAQWVTGFM SFWHRGEVRT TRTTFLPWHV FLGLYTYGLA IATAETGLLE KLTFLQTKRN VPRRGSESMT VNGLGLGLAL LGCIVITAAI LPKYQSHSRD EKLVYSSQDR PKCLSS
Host	Cell Free Expression
Form/Format	Liquid containing glycerol
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C. Repeated freezing and thawing is not recommended. Store working aliquots at 4 degree C for up to one week.
Molecular Weight	26,307 Da
Sequence Positions	1-236aa; full length protein
3D Structure	ModBase 3D Structure for Q9C540
Species	Arabidopsis thaliana (Mouse-ear cress)
Product Categories/Family for CYB561D recombinant protein	Transmembrane Protein
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Application Notes for CYB561D recombinant protein	This is a recombinant transmembrane protein expressed in a cell-free expression system.
Related Product Information for CYB561D recombinant protein	MBS7013348 is a recombinant protein targeting CYB561D. Also known as Recombinant Arabidopsis thaliana Probable transmembrane ascorbate ferrireductase 4 (CYB561D). Host: Cell Free Expression.
Other Notes	Small volumes of CYB561D recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CYB561D. It may not necessarily be applicable to this product.

NCBI GI #	15222642
NCBI GeneID	839151
NCBI Accession #	NP_173935.1
UniProt Primary Accession #	Q9C540
UniProt Related Accession #	Q9C540

GenBank Nucleotide #	NM_102375.3
NCBI Official Full Name	probable transmembrane ascorbate ferric reductase 4
NCBI Official Symbol	AT1G26100
NCBI Official Synonym Symbols	F14G11.7; F14G11_7
UniProt Protein Name	Probable transmembrane ascorbate ferrireductase 4
UniProt Synonym Protein Names	Artb561-4; Cytochrome b-561D; Protein b561A.tha6
Protein Family	Probable transmembrane ascorbate ferrireductase
UniProt Gene Name	CYB561D
UniProt Entry Name	ACFR4_ARATH
NCBI Protein Information	probable transmembrane ascorbate ferric reductase 4
UniProt Comments for CYB561D	Two-heme-containing cytochrome. May catalyze ascorbate-dependent trans-membrane ferric-chelate reduction ().
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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