

Datasheet for ABIN7561277

ALG2 Protein (AA 1-415) (His tag)



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Overview

Quantity:	1 mg
Target:	ALG2
Protein Characteristics:	AA 1-415
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ALG2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Alg2 Protein expressed in mammalian cells.
Sequence:	<p>MAENLYRARS RVYSPSVLFL HPDMGIGGAE RVLDAALAL QEYGCDVKIW TAHYDPNHCF IETRELSVQC AGDWLPRSLG WGGRGAAICS YVRMVFLALY VLFLSGEEFD VVCDQVSAC IPVFKLARRR KRVLFYCHFP DLLLTQRNSA LKKFYRAPID WIEEYTTGMA DRILVNSQYT ASVFKETFKT LSHRNPDLVLY PSLNIGSFDL AIPEKIDDLV PKGKQFLFLS INRYERKKNL PLALRSLVQL RNRLPSQEWK KVHLFMAGGY DDRIPENVEH YKELKKMVQE SDLERHVTFL RSFSDRQKIS LLHGCLCVLY TPSNEHFGIV PLEAMYMQCP VIAVNNGGPL ESIVHKVTGF LCEPDPVHFS EAMEKFIHKP SLKATMGLAG KARVAEKFSA DAFADQLYQY VTKLV Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</p>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

Product Details

Characteristics:	<div><div>Key Benefits:</div><ul style="list-style-type: none">• Made to order protein - from design to production - by highly experienced protein experts.• Protein expressed in mammalian cells and purified in one-step affinity chromatography• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.• State-of-the-art algorithm used for plasmid design (Gene synthesis).<p>This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.</p><p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p><p>The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.</p></div>
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Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	ALG2
Alternative Name:	Alg2 (ALG2 Products)
Background:	Alpha-1,3/1,6-mannosyltransferase ALG2 (EC 2.4.1.132) (EC 2.4.1.257) (Asparagine-linked glycosylation protein 2 homolog) (GDP-Man:Man(1)GlcNAc(2)-PP-Dol alpha-1,3-mannosyltransferase) (GDP-Man:Man(1)GlcNAc(2)-PP-dolichol mannosyltransferase) (GDP-Man:Man(2)GlcNAc(2)-PP-Dol alpha-1,6-mannosyltransferase),FUNCTION: Mannosylates Man(2)GlcNAc(2)-dolichol diphosphate and Man(1)GlcNAc(2)-dolichol diphosphate to form Man(3)GlcNAc(2)-dolichol diphosphate. {ECO:0000250 UniProtKB:Q9H553}.
Molecular Weight:	47.4 kDa
UniProt:	Q9DBE8

Application Details

Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
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Application Details

Restrictions: For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months