

Datasheet for ABIN7555015

POMT1 Protein (AA 1-747) (His tag)



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Overview

Quantity:	1 mg
Target:	POMT1
Protein Characteristics:	AA 1-747
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This POMT1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant POMT1 Protein expressed in mammalian cells.
Sequence:	<p>MWGFLKRPVV VTADINLSLV ALTGMGLLSR LWRLTYPRAV VFDEVYGGY ISFYMKQIFF</p> <p>LDDSGPPFGH MVLALGGYLG GFDGNFLWNR IGAEYSSNVP VWSLRLLPAL AGALSVPMAY</p> <p>QIVLELHFSH CAAMGAALLM LIENALITQS RLMLESVLI FFNLLAVLSY LKFFNCQKHS</p> <p>PFSLSWWFWL TLTGVACSCA VGIKYMGVFT YVLVLGVAHV HAWHLLGDQT LSNVGADVQC</p> <p>CMRPACMGQM QMSQGVCFVC HLLARAVALL VIPVLYLLF FYVHLILVFR SGPHDQIMSS</p> <p>AFQASLEGLL ARITQGQPLE VAFGSQVTLR NVFGKPVPCW LHSHQDTPYM IYENGRGSSH</p> <p>QQQVTCYPFK DVNNWWIVKD PRRHQLVSS PPRPVRHGDM VQLVHGMTTR SLNTHDVAAP</p> <p>LSPHSQEVSC YIDYNISMPA QNLWRLEIVN RGSDDVWKT ILSEVRFVHV NTSVVLKLSG</p> <p>AHLPDWGYRQ LEIVGEKLSR GYHGSTVWNV EEHRYGASQE QRRERELHS PAQVDVSRNL</p> <p>SFMARFSELQ WRMLALRSD SEHKYSSSPL EWTLDTNIA YWLHPRTSAQ IHLLGNIVW</p> <p>VSGSLALAIY ALLSLWYLLR RRRNVHDLPO DAWLRWVLAG ALCAGGWAVN YLPFFLMEKT</p> <p>LFLYHYLPAL TFQILLPVV LQHISDHLCR SQLQRSIFSA LVVAWYSSAC HVSNTLRPLT</p>

Product Details

YGDKSLSPHE LKALRWKDSW DILIRKH **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.**

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.
Characteristics:	<p>Key Benefits:</p> <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>
Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	POMT1
Alternative Name:	POMT1 (POMT1 Products)
Background:	<p>Protein O-mannosyl-transferase 1 (EC 2.4.1.109) (Dolichyl-phosphate-mannose--protein mannosyltransferase 1),FUNCTION: Transfers mannosyl residues to the hydroxyl group of serine or threonine residues. Coexpression of both POMT1 and POMT2 is necessary for enzyme activity, expression of either POMT1 or POMT2 alone is insufficient (PubMed:12369018, PubMed:14699049, PubMed:28512129). Essentially dedicated to O-mannosylation of alpha-DAG1 and few other proteins but not of cadherins and protocaherins (PubMed:28512129). {ECO:0000269 PubMed:12369018, ECO:0000269 PubMed:14699049, ECO:0000269 PubMed:28512129}.</p>

Target Details

Molecular Weight: 84.9 kDa

UniProt: [Q9Y6A1](#)

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.

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