

Datasheet for ABIN7558573
POMT2 Protein (AA 1-820) (His tag)



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Overview

Quantity:	1 mg
Target:	POMT2
Protein Characteristics:	AA 1-820
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This POMT2 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Pomt2 Protein expressed in mammalien cells.
Sequence:	<p>MLYASGRLLA ARAATTL SAP PRARGPALRG KRRELQIPWH LETPSYDPLT GQRTRPGVPP ARRVILRKGR MPPAIGGGLA GSELRPRRGR CVPQAARAVS RDVVPQAAAR KLKRPWSSR RFQAAGWWAT LAVVTLLSFA TRFHRLDQPA HICWDETHFG KMGSYYINRT FFFDVHPPLG KMLIGLAGYL SGYDGTFLFQ KPGDRYEHHS YMGMRGFCAF LGSWLIPFAY LTVLDLSKSF PAALLTAALL TFDTGCLTLS QYILLDPILM FFIMAAMLSM VKYNSCANRP FSAPWWFWLS LTGISLAGAL GVKFVGLFII VQVGLNTISD LWHLFGDLSL SLVTVGKHLT ARILCLIVLP LVLYVTIFAV HVMVLNKS GP GDGFFSSAFQ ARLSGNSLHN ASIPEHLAYG SVITVKNLRM AIGYLHSHRH LYPEGIGARQ QQVTTYLHKD YNNLWIIKKY NANTDPLDPS FPVEFVRHGD IIRLEHKETT RNLHSHYHEA PLTRKH YQVT GYGINGTGDS NDFWRIEVVN RKFGNRIKVL RSRIRLIHLV TGCVLGSSGK ILPKWGWEQL EVTCTPYLKE TTNSIWNIEE HINPKLPNIS LDVLQPSFPE ILLESHMVM I RGNNGLKPKD NEFTSKPWHW PINYQGLRFS GANDTDFRVY LLGNPVVWWL</p>

Product Details

NLVSIVLYLL SGSTIAVAMQ RGIQLPAELQ GLTKVLLRGG GQLLLGWMLH YFPFFLMGRI
LYFHYYFPAM LFSSMLTGIL WDTLLRLCAW GLAPSPLGRR IHAVGILSLL LTTAYSFYLF
HPLAYGMVGP LAQEPESPMA GLRWLESWDF **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.**

Characteristics:

Key Benefits:

- 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).

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.

If you are not interested in a full length protein, please contact us for individual protein fragments.

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.

Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

Grade:

custom-made

Target Details

Target:

POMT2

Alternative Name:

Pomt2 ([POMT2 Products](#))

Background:

Protein O-mannosyl-transferase 2 (EC 2.4.1.109) (Dolichyl-phosphate-mannose--protein mannosyltransferase 2),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. Essentially dedicated to O-mannosylation of alpha-DAG1 and few other proteins but not of cadherins and protocadherins. {ECO:0000250|UniProtKB:Q9UKY4}.

Molecular Weight:

92.4 kDa

Target Details

UniProt: [Q8BGQ4](#)

Application Details

Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. 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