

Datasheet for ABIN7562159
FPGT Protein (AA 1-590) (His tag)



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Overview

Quantity:	1 mg
Target:	FPGT
Protein Characteristics:	AA 1-590
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This FPGT protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Fpgt Protein expressed in mammalien cells.
Sequence:	<p>MASLREATLR KLRRFSELRG KPVAAGEFWD VVAITAADEK QELAYKQQLS EKLKKRELPL GVQYHVFPDP AGTKIGNGGS TLCSLECLES LCGDKWNSLK VLLIHSGGYS QRLPNASALG KIFTALPLGE PIYQMLELKL AMYVDFPSNM RPGVLVTCAD DIELYSVGDS EYIAFDQPGF TALAHPSLA VGTTHGVFVL HSDSSLQHGD LEYRQCYQFL HKPTIENMHR FNAVHRQRSF GQQNLSGGDT DCLPLHTEYV YTDSLIFYMDH KSAKKLLDFY KSEGPLNCEI DAYGDFLQAL GPGATAEYTR NTSHVTKEES QLLDMRQKIF HLLKGTPLNV VVLNNSRFYH IGTLQEYLLH FTSDSALKTE LGLQSIAFSV SPSVPERSSG TACVIHSIVD SGCCVAPGSV VEYSRLGPEV SIGENCIISS SVIAKTVVPA YSFLCSLSVK INGHLKYSTM VFGMQDNLKN SVKTLEDIKA LQFFGVCFLS CLDIWNLKAT EKLFSGNKMN LSLWTACIFP VCSSLSESAT ASLGMLSAVR NHSPFNLSDF NLLSIQEMLV YKDVQDMLAY REHIFLEISS NKNQSDLEKS Sequence without tag.</p>

The proposed Purification-Tag is based on experiences with the expression system, a

Product Details

different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.

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>
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Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
Grade:	custom-made

Target Details

Target:	FPGT
Alternative Name:	Fpgt (FPGT Products)
Background:	<p>Fucose-1-phosphate guanylyltransferase (EC 2.7.7.30) (GDP-L-fucose diphosphorylase) (GDP-L-fucose pyrophosphorylase),FUNCTION: Catalyzes the formation of GDP-L-fucose from GTP and L-fucose-1-phosphate (PubMed:14686921). Functions as a salvage pathway to reutilize L-fucose arising from the turnover of glycoproteins and glycolipids (Probable).</p> <p>{ECO:0000269 PubMed:14686921, ECO:0000305 PubMed:14686921}.</p>
Molecular Weight:	65.4 kDa
UniProt:	G5E8F4

Application Details

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

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