

Datasheet for ABIN7544927
UGP2 Protein (AA 1-508) (His tag)



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Overview

Quantity:	1 mg
Target:	UGP2
Protein Characteristics:	AA 1-508
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This UGP2 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat UGP2 Protein expressed in mammalien cells.
Sequence:	<p>MSRFVQDLK AMSQDGASQF QEVIRQELEL SVKKELEKIL TTASSHEFEH TKKDLDGFRK LFHRFLQKEG PSVDWGGIQR PPEDSIQPYE KIKARGLPDN ISSVLNKLVV VKLNGGLGTS MGCKGPKSLI GVRNENTFLD LTVQQIEHLN KTYNTDVPLV LMNSFNTDED TKKILQKYNH CRVKIYTFNQ SRYPRINKES LLPVAKDVSY SGENTEAWYP PGHGDIYASF YNSGLLDTFI GEGKEYIFVS NIDNLGATVD LYILNHLMNP PNGKRCEFVM EVTNKTRADV KGGTLTQYEG KLRLVEIAQV PKAHVDEFKS VSKFKIFNTN NLWISLAAVK RLQEQNAIDM EIIVNAKTLD GGLNVIQLET AVGAAIKSFE NSLGINVPRS RFLPVKTTSD LLLVMSNLYS LNAGSLTMSE KREFPTVPLV KLGSSFTKVQ DYLRRFESIP DMEILDHLTV SGDVTFGKNV SLKGTVIII NHGDRIDIPP GAVLENKIVS GNLRLDH 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>

Product Details

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:

UGP2

Alternative Name:

UGP2 ([UGP2 Products](#))

Background:

UTP--glucose-1-phosphate uridylyltransferase (EC 2.7.7.9) (UDP-glucose pyrophosphorylase) (UDPGP) (UGPase),FUNCTION: UTP--glucose-1-phosphate uridylyltransferase catalyzing the conversion of glucose-1-phosphate into UDP-glucose, a crucial precursor for the production of glycogen. {ECO:0000269|PubMed:31820119, ECO:0000269|PubMed:8354390, ECO:0000269|PubMed:8631325}.

Molecular Weight:

56.9 kDa

UniProt:

[Q16851](#)

Pathways:

[Cellular Glucan Metabolic Process](#)

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

Application Details

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