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Datasheet for ABIN7557221
GPD1L Protein (AA 1-351) (His tag)

Overview

Quantity:	1 mg
Target:	GPD1L
Protein Characteristics:	AA 1-351
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This GPD1L protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Gpd1l Protein expressed in mammalien cells.
Sequence:	MAAAPLKVCI VGSGNWGSAV AKIIGSNVKT LQKFSSTVKM WVFEEVNGR KLTDIINNDH ENVKYLPGHK LPENWVAVPN LSEAVQDADL LVFVIPHQFI HKICDEITGR VPEKALGITL IKGIDEGPDG LKLISDIIRE KMGIDISVLM GANIASEVAA EKFCETTIGS KVMQNGLLFK ELLQTPNFRI TVVDDADTVE LCGALKNIVA VGAGFCDGLR CGDNTKAAVI RLGLMEMIAF AKIFCKGQVS TATFLESCGV ADLITTCYGG RNRVAAEFA RTGKTIEELE KELLNGQKLQ GPQTSAEVYR ILRQKGLLDK FPLFTAVYQI CYEGRPVTQM LSCLQSHPEH 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:

Product Details

- 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
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Grade:	custom-made
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Target Details

Target:	GPD1L
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Alternative Name:	Gpd1l (GPD1L Products)
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Background:	Glycerol-3-phosphate dehydrogenase 1-like protein (EC 1.1.1.8),FUNCTION: Plays a role in regulating cardiac sodium current, decreased enzymatic activity with resulting increased levels of glycerol 3-phosphate activating the DPD1L-dependent SCN5A phosphorylation pathway, may ultimately lead to decreased sodium current, cardiac sodium current may also be reduced due to alterations of NAD(H) balance induced by DPD1L. {ECO:0000250 UniProtKB:Q8N335}.
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Molecular Weight:	38.2 kDa
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UniProt:	Q3ULJ0
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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.
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Restrictions:	For Research Use only
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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