

Datasheet for ABIN3132955
GPD1 Protein (AA 1-349) (His tag)

4 Images

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Overview

Quantity:	1 mg
Target:	GPD1
Protein Characteristics:	AA 1-349
Origin:	Mouse
Source:	Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This GPD1 protein is labelled with His tag.
Application:	ELISA, SDS-PAGE (SDS), Western Blotting (WB), Crystallization (Crys)

Product Details

Sequence:	<p>MAGKKVCIVG SGNWGSAIAK IVGSNAGRLA HFDPRVTMWV FEEDIGGRKL TEIINTQHEN</p> <p>VKYLPGHKLP PNVAIPDVV QAATGADILV FVVPHQFIGK ICDQLKGHLK ANTIGISLIK</p> <p>GVDEGPNGLK LISEVIGERL GIPMSVLMGA NIASEVAEEK FCETTIGCKD PAQGQLLKDL</p> <p>MQTPNFRITV VQEVDTVEIC GALKNIVAVG AGFCDGLGFG DNTKAAVIRL GLMEMIAFAK</p> <p>LFCSGTVSSA TFLESCGVAD LITTCYGGRN RKVAEAFART GKSIEQLEKE MLNGQKLQGP</p> <p>QTARELHSIL QHKGLVDKFP LFTAVYKVCY EGQPVGEFIR CLQNHPEHMHHHHHHH</p> <p>C-terminal His-tag</p>
Characteristics:	<ul style="list-style-type: none">• Made in Germany - from design to production - by highly experienced protein experts.• Mouse Gpd1 Protein (raised in Insect Cells) purified by multi-step, protein-specific process to ensure crystallization grade.• 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</p>

Product Details

experts in the lab will ensure that you receive a correctly folded protein.

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.

In the unlikely event that the protein cannot be expressed or purified we do not charge anything (other companies might charge you for any performed steps in the expression process for custom-made proteins, e.g. fees might apply for the expression plasmid, the first expression experiments or purification optimization).

When you order this made-to-order protein you will only pay upon receipt of the correctly folded protein. With no financial risk on your end you can rest assured that our experienced protein experts will do everything to make sure that you receive the protein you ordered.

The concentration of our recombinant proteins is measured using the absorbance at 280nm. The protein's absorbance will be measured in several dilutions and is measured against its specific reference buffer.

The concentration of the protein is calculated using its specific absorption coefficient. We use the ExPASy's ProtParam tool to determine the absorption coefficient of each protein.

Purification:	The protein is purified from the cleared cell lysate using EDTA and DTT resistant His-tag capture materials. Eluate fractions are analyzed by SDS-PAGE. Protein containing fractions are subjected to a second purification step through size exclusion chromatography. Eluate fractions are analyzed by SDS-PAGE and Western blot.
Purity:	>95 % as determined by SDS PAGE, Size Exclusion Chromatography and Western Blot.
Sterility:	0.22 µm filtered
Endotoxin Level:	Protein is endotoxin free.
Grade:	Crystallography grade

Target Details

Target:	GPD1
Alternative Name:	Gpd1 (GPD1 Products)
Molecular Weight:	38.5 kDa Including tag.
UniProt:	P13707

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

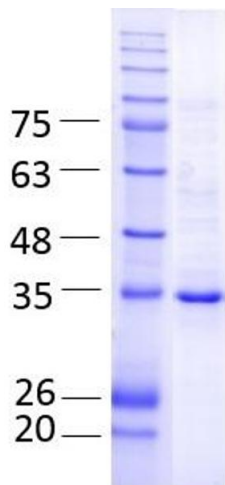
Handling

Format:	Liquid
Buffer:	in solution (20 mM Hepes, pH 7.4, 50 mM NaCl, 5 % Glycerin)
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	Unlimited (if stored properly)

Images

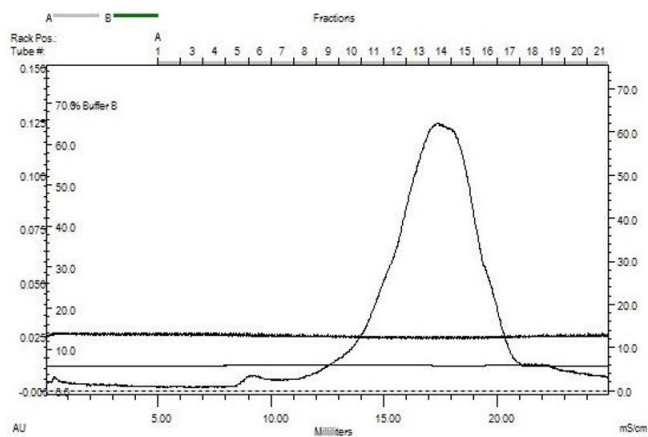


Image 1. „Crystallography Grade“ protein due to multi-step, protein-specific purification process



SDS-PAGE

Image 2. GPD1 (AA 1-349), fraction 15 - 17



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 3. GPD1 (AA 1-349), gel filtration Superose 6, fraction 15 - 17

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN3132955.