

Datasheet for ABIN7548047

Glycogenin 2 Protein (GYG2) (AA 1-501) (His tag)



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Overview

Quantity:	1 mg
Target:	Glycogenin 2 (GYG2)
Protein Characteristics:	AA 1-501
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Glycogenin 2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant GYG2 Protein expressed in mammalian cells.
Sequence:	MSETEFHGGA QAGLELLRSS NSPTSASQSA GMTVTDQAFV TLATNDIYCQ GALVLGQSLR RHRLTRKLVV LITPQVSSLL RVILSKVFDE VIEVNLIDSA DYIHLAFLKR PELGLTLTKL HCWTLTHYSK CVFLDADTLV LSNVDELFDG GEFSAAPDPG WPDCFNSGVF VFQPSLHCHK LLLQHAMEHG SFDGADQGLL NSFFRNWSTT DIHKHLPFIY NLSSNTMYTY SPAFKQFGSS AKVVHFLGSM KPWNKYKNPQ SGSVLEQGS SSSQHQAFL HLWWTYQNN VLPLYKSVQA GEARASPGHT LCHSDVGGPC ADSASGVGEP CENSTPSAGV PCANSPLGSN QPAQGLPEPT QIVDETLSP EGRRSEDMIA CPETETPAVI TCDPLSQSP QPADFTETET ILQPANKVES VSSEETFEP S QELPAEALRD PSLQDALEVD LAVSVSQISI EEKVKELSPE EERRKWEEGR IDYMGKDAFA RIQEKLDRLF Q 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.
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different

Product Details

isoform, please contact us regarding an individual offer.

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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade:

custom-made

Target Details

Target:

Glycogenin 2 (GYG2)

Alternative Name:

GYG2 ([GYG2 Products](#))

Background:

Glycogenin-2 (GN-2) (GN2) (EC 2.4.1.186),FUNCTION: Glycogenin participates in the glycogen biosynthetic process along with glycogen synthase and glycogen branching enzyme. It self-glucosylates, via an inter-subunit mechanism, to form an oligosaccharide primer that serves as substrate for glycogen synthase. {ECO:0000269|PubMed:9346895, ECO:0000269|PubMed:9857012}.

Molecular Weight:

55.2 kDa

UniProt:

[O15488](#)

Pathways:

[Cellular Glucan Metabolic Process](#)

Application Details

Application Notes:	We expect the protein to work for functional studies. 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