

Datasheet for ABIN7547957

GUCY1B3 Protein (AA 1-619) (His tag)



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Overview

Quantity:	1 mg
Target:	GUCY1B3
Protein Characteristics:	AA 1-619
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This GUCY1B3 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant GUCY1B1 Protein expressed in mammalian cells.
Sequence:	<p>MYGFVNHLE LLVIRNYGPE VWEDIKKEAQ LDEEGQFLVR IYDDSKTYD LVAAASKVLN LNAGEILQMF GKMFFVFCQE SGYDTILRVL GSNVREFLQN LDALHDHLAT IYPGMRAPSF RCTDAEKGKG LILHYYSERE GLQDIVIGII KTVAQQIHGT EIDMKVIQQR NEECDHTQFL IEEKESKEED FYEDLDRFEE NGTQESRISP YTFCKAFPFH IIFDRDLVVT QCGNAIYRVL PQLQPGNCSL LSVFSLVRPH IDISFHGILS HINTVFLVRS KEGLLDVEKL ECEDELTGTE ISCLRLKGQM IYLPEADSIL FLCSPSVMNL DDLTRRGlyL SDIPLHDATR DLVLLGEQFR EEYKLTQELE ILTDRLQLTL RALEDEKKKT DTLlySVLPP SVANELRHKR PVPakRYDNV TILFSGIVGF NAFCSKhasG EGAMKIVNLL NDlyTRFDTL TDSRKNPFVY KVETVGDKYM TVSGLPEPCI HHARSICHLA LDMMEIAGQV QVDGESVQIT IGIHTGEVVT GVIGQRMPRY CLFGNTVNLT SRTETTGEKG KINVSEYTYR CLMSPENSdp QFHLEHRGPV SMKGKKEPMQ VWFLSRKNTG TEETKQDDD Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make</p>

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 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: GUCY1B3

Alternative Name: GUCY1B1 ([GUCY1B3 Products](#))

Background: Guanylate cyclase soluble subunit beta-1 (GCS-beta-1) (EC 4.6.1.2) (Guanylate cyclase soluble subunit beta-3) (GCS-beta-3) (Soluble guanylate cyclase small subunit),FUNCTION: Mediates responses to nitric oxide (NO) by catalyzing the biosynthesis of the signaling molecule cGMP. {ECO:0000250|UniProtKB:P16068, ECO:0000269|PubMed:1352257}.

Molecular Weight: 70.5 kDa

UniProt: [Q02153](#)

Pathways: [Transition Metal Ion Homeostasis](#)

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