

Datasheet for ABIN7547918

GUCY1A1 Protein (AA 1-690) (His tag)



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Overview

Quantity:	1 mg
Target:	GUCY1A1
Protein Characteristics:	AA 1-690
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This GUCY1A1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant GUCY1A1 Protein expressed in mammalian cells.
Sequence:	MFCTKLKDLK ITGECPFSL APGQVPNESS EEAAGSSESC KATVPICQDI PEKNIQESLP QRKTSRSRVY LHTLAESICK LIFPEFERLN VALQRTLAKH KIKESRKSLE REDFEKTIAE QAVAAGVPVE VIKESLGEEV FKICYEEDEN ILGVVGGTLK DFLNSFSTLL KQSSHCEAG KRGRLEDASI LCLDKEDDFL HVYFFPKRT TSLILPGIHK AAAHVLYTE VEVSLMPPCF HNDCEFEVNV PYLLYSVHMK STKPSLSPSK PQSSLVIPTS LFCKTFPFHF MFDKDMTILQ FGNGIRRLMN RRDFQGKPNF EEFYFELTPK INQTFSGIMT MLNMQFVVRV RRWDNSVKKS SRVMDLKGQM IYIVESSAIL FLGSPCVDRL EDFTGRGLYL SDIPIHNALR DVVLIGEQR AQDGLKKRLG KLKATLEQAH QALEEEKKKT VDLLCSIFPC EVAQQLWQGG VVQAKKFSNV TMLFSDIVGF TAICSQCSPV QVITMLNALY TRFDQQCGEL DVYKQVETIGD AYCQVAGLHK ESDTHAVQIA LMALKMMELS DEVMSPHGEP IKMRIGLHSG SVFAGVVGK MPRYCLFGNN VTLANKFESC SVPRKINVSP TTYRLLKDCP GFVFTPRSRE ELPPNFPSEI PGICHFLDAY QQGTNSKPCF QKKDVEDGNA NFLGKASGID 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 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: GUCY1A1

Alternative Name: GUCY1A1 ([GUCY1A1 Products](#))

Background: Guanylate cyclase soluble subunit alpha-1 (GCS-alpha-1) (EC 4.6.1.2) (Guanylate cyclase soluble subunit alpha-3) (GCS-alpha-3) (Soluble guanylate cyclase large subunit)

Molecular Weight: 77.5 kDa

UniProt: [Q02108](#)

Pathways: [Myometrial Relaxation and Contraction](#)

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