

Datasheet for ABIN7547936

GUCY1A2 Protein (AA 1-732) (His tag)[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	GUCY1A2
Protein Characteristics:	AA 1-732
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This GUCY1A2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant GUCY1A2 Protein expressed in mammalian cells.
Sequence:	<pre>MSRRKISSES FSSLGSDYLE TSPEEEGECF LSRLCWNGSR SPPGPLEPSP AAAAAAAAAA PTPAASAAAA AATAGARRVQ RRRRVNLDL GESISRLTAP SPQTIQQLK RTLQYYEHQV IGYRDAEKNF HNISNRCSYA DHSNKEEIED VSGILQCTAN ILGLKFEEIQ KRFGEFFNI CFHENERVLR AVGGTLQDFF NGFDALLEHI RTSFGKQATL ESPSFLCKEL PEGTLMMLHYF HPHHIVGFAM LGMKAAGKK IYRLDVEVEQ VANEKLCSDV SNPGNCSCLT FLIKECENTN IMKNLPQGTS QVPADLRISI NTFCRAFPFH LMFDPMSVL QLGEGLRKQL RCDTHKVLKF EDCFEIVSPK VNATFERVLL RLSTPFVIRT KPEASGSENK DKVMEVKGQM IHVPESNSIL FLGSPCVDKL DELMGRGLHL SDIPIHDATR DVILVGEQAK AQDGLKKRMD KLKATLERTH QALEEEKKT VDLLYSIFG DVAQQLWQQG QVQARKFDDV TMLFSDIVGF TAICAQCTPM QVISMLNELY TRFDHQCGFL DIYKVETIGD AYCVAAGLHR KSLCHAKPIA LMALKMMELS EEVLTDPGRP IQMRIGHSG SVLAGVVGVR MPRYCLFGNN VTLASKFESG SHPRRINVSP TTYQLLKREE SFTFIPRSRE ELPDNFPKEI PGICYFLEVR TGPKPPKPSL SSSRIKKVSY</pre>

Product Details

NIGTMFLRET SL **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: GUCY1A2

Alternative Name: GUCY1A2 ([GUCY1A2 Products](#))

Background: Guanylate cyclase soluble subunit alpha-2 (GCS-alpha-2) (EC 4.6.1.2),FUNCTION: Has guanylyl cyclase on binding to the beta-1 subunit., FUNCTION: Isoform 2 acts as a negative regulator of guanylyl cyclase activity as it forms non-functional heterodimers with the beta subunits.

Molecular Weight: 81.8 kDa

UniProt: [P33402](#)

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
