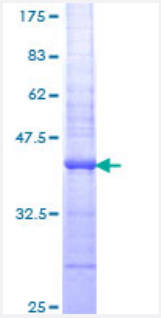
GUCY1A3 (Human) Recombinant Protein (Q01)

Catalog # H00002982-Q01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human GUCY1A3 partial ORF (AAH28384, 41 a.a. - 140 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	KATMPICQDIPEKNIQESLPQRKTSRSRVYLHTLAESICKLIFPEFERLNVALQRTLAKHKIKESRKSLEREDFEKTIAEQAVAAGVPVEVIKESLGEEV
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.74
Preparation Method	*in vitro* wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — GUCY1A3

Entrez GeneID	2982
GeneBank Accession#	BC028384
Protein Accession#	AAH28384
Gene Name	GUCY1A3
Gene Alias	GC-SA3, GUC1A3, GUCA3, GUCSA3, GUCY1A1
Gene Description	guanylate cyclase 1, soluble, alpha 3
Omim ID	139396
Gene Ontology	Hyperlink
Gene Summary	Soluble guanylate cyclase (sGC), a heterodimeric protein consisting of an alpha subunit, such as alpha-1 (GUCY1A3), and a beta subunit, typically beta-1 (GUCY1B3; MIM 139397), catalyzes con version of GTP to the second messenger cGMP and functions as the main receptor for nitric oxid e and nitrovasodilator drugs (Zabel et al., 1998 [PubMed 9742212]).[supplied by OMIM
Other Designations	GC-S-alpha-1|soluble guanylate cyclase large subunit

Pathway

- Gap junction
- Long-term depression
- Purine metabolism
- Vascular smooth muscle contraction