

Recombinant Human GUCA1A protein(Met1-Gly201), His&GST-tagged

Cat. No. GUCA1A-2379H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human GUCA1A (P43080)(Met1-Gly201) was expressed in Insect Cells with the N-terminal polyhistidine-tagged GST tag at the N-terminus.
Species	Human
Source	Insect Cells
ProteinLength	Met1-Gly201
Form	Lyophilized from sterile 20mM Tris, 500mM NaCl, 10% glycerol, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Molecular Mass	The secreted recombinant human GUCA1A consists of 438 amino acids and predicts a molecular mass of 50.7 KDa. The apparent molecular mass of the protein is approximately 42 KDa in SDS-PAGE under reducing conditions due to glycosylation.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 95 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Reconstitution It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name [GUCA1A guanylate cyclase activator 1A \(retina\) \[Homo sapiens \]](#)

Official Symbol [GUCA1A](#)

Synonyms GUCA1A; guanylate cyclase activator 1A (retina); C6orf131, chromosome 6 open reading frame 131 , GUCA, GUCA1; guanylyl cyclase-activating protein 1; COD3; cone dystrophy 3; dJ139D8.6; GCAP; GCAP1; GCAP 1; guanylin 1, retina; guanylate cyclase-activating protein, photoreceptor 1; GUCA; GUCA1; CORD14; C6orf131;

Gene ID [2978](#)

mRNA Refseq [NM_000409](#)

Protein Refseq [NP_000400](#)

MIM [600364](#)

UniProt ID [P43080](#)

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