

Recombinant Human GUCA1A, His-GST tagged

Cat. No. GUCA1A-487H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GUCA1A (P43080) (Met1-Gly201), fused with the N-terminal polyhistidine-tagged GST tag, was produced in Baculovirus-Insect cells.
Species	Human
Source	Insect Cells
ProteinLength	1-201 a.a.
Predicted N Terminal	Met
Form	Lyophilized from sterile 20mM Tris, 500mM NaCl, 10% glycerol, pH 7.4. Normally 5 % - 8 % trehalose and mannitol 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
Stability	Samples are stable for up to twelve months from date of receipt at -70oC.
Storage	Store it under sterile conditions at -20oC~-70oC. It is recommended that the protein

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

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

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be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution. 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](#)

Gene ID [2978](#)

mRNA Refseq [NM_000409](#)

Protein Refseq [NP_000400](#)

MIM [600364](#)

UniProt ID [P43080](#)

Chromosome Location [6p21.1](#)

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