

## Recombinant Mouse GUCA2B protein, His-tagged(VLPs)

**Cat. No.** GUCA2B-657M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                   |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Mouse GUCA2B protein (Q3UWA6-1) (Met1-Met433) was expressed in HEK293, fused with a polyhistidine tag at the C-terminus.                                                                                                              |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                             |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                            |
| <b>ProteinLength</b>    | Met1-Met433                                                                                                                                                                                                                                       |
| <b>Form</b>             | Lyophilized from sterile PBS, pH 7.4.<br>Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.                                                                                                 |
| <b>Molecular Mass</b>   | The recombinant mouse GUCA2B consists of 425 amino acids and predicts a molecular mass of 48.55 kDa. It migrates as an approximately 87.17 kDa band in SDS-PAGE under reducing conditions.                                                        |
| <b>Endotoxin</b>        | < 1.0 EU per µg protein as determined by the LAL method.                                                                                                                                                                                          |
| <b>Purity</b>           | > 90 % as determined by SDS-PAGE.                                                                                                                                                                                                                 |
| <b>Storage</b>          | Samples are stable for up to twelve months from date of receipt at -20°C to -80°C<br>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. |

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**Reconstitution**

It is recommended to reconstitute the lyophilized powder in sterile water to 100-200 ug/ml, and further dilute with other solvents. The dissolved protein can be stored at 4°C for 2-7 days and should be used up as soon as possible. If not in use for a short time, please store at -20°C.

**GENE INFORMATION**

**Gene Name** [Guca2b guanylate cyclase activator 2b \(retina\) \[ Mus musculus \]](#)

**Official Symbol** [GUCA2B](#)

**Synonyms** GUCA2B; guanylate cyclase activator 2b (retina); guanylate cyclase activator 2B; uroguanylin; granule cell antiserum positive 2; Ugn; Gcap2; AV066530;

**Gene ID** [14916](#)

**mRNA Refseq** [NM\\_008191](#)

**Protein Refseq** [NP\\_032217](#)

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