

Recombinant Human BAG3 Protein (GST Tag)

Catalog Number: PDEH100827

Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

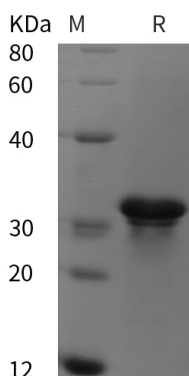
Description

| | |
|----------------------|---|
| Species | Human |
| Source | E.coli-derived Human BAG3 protein Gly421-Ala498, with an N-terminal GST |
| Calculated MW | 33.5 kDa |
| Observed MW | 35 kDa |
| Accession | O95817 |
| Bio-activity | Not validated for activity |

Properties

| | |
|-----------------------|---|
| Purity | > 95% as determined by reducing SDS-PAGE. |
| Endotoxin | < 10 EU/mg of the protein as determined by the LAL method |
| Storage | Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months. |
| Shipping | This product is provided as lyophilized powder which is shipped with ice packs. |
| Formulation | Lyophilized from a 0.2 µm filtered solution in PBS with 5% Trehalose and 5% Mannitol. |
| Reconstitution | It is recommended that sterile water be added to the vial to prepare a stock solution of 0.5 mg/mL. Concentration is measured by UV-Vis. |

Data



SDS-PAGE analysis of Human BAG3 proteins, 2 µg/lane of Recombinant Human BAG3 proteins was resolved with SDS-PAGE under reducing conditions, showing bands at 35 kDa.

Background

Co-chaperone for HSP70 and HSC70 chaperone proteins. Acts as a nucleotide-exchange factor (NEF) promoting the release of ADP from the HSP70 and HSC70 proteins thereby triggering client/substrate protein release. Nucleotide release is mediated via its binding to the nucleotide-binding domain (NBD) of HSPA8/HSC70 where as the substrate release is mediated via its binding to the substrate-binding domain (SBD) of HSPA8/HSC70.

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