

Recombinant Human GRB2 Protein (His Tag)

Catalog Number: PKSH032512

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

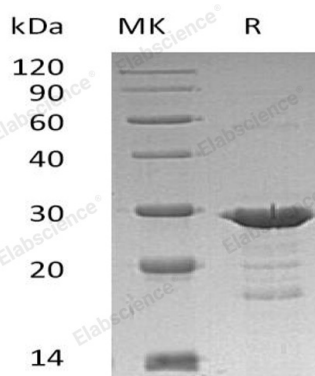
Description

| | |
|---------------------|----------------------------|
| Species | Human |
| Mol_Mass | 26.3 kDa |
| Accession | P62993 |
| Bio-activity | Not validated for activity |

Properties

| | |
|-----------------------|---|
| Purity | > 90 % as determined by reducing SDS-PAGE. |
| Endotoxin | < 1.0 EU per µg 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 of 20mM PB, 6% Sucrose, 4% Mannitol, 50mM NaCl, 0.05% Tween 80, pH8.0. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual. |
| Reconstitution | Please refer to the printed manual for detailed information. |

Data



> 90 % as determined by reducing SDS-PAGE.

Background

As an adaptor protein, Growth Factor Receptor-Bound Protein 2 (GRB2) is involved in signal transduction and consists of a central SH2 domain flanked by two SH3 domains. GRB2 associates with activated Tyr-phosphorylated EGF receptor/EGFR and PDGF receptors via its SH2 domain, stimulating GTP binding to Ras, which in turn activates MAPK and other signaling pathway. It also associates to other cellular Tyr-phosphorylated proteins such as SIT1, IRS1, IRS4, SHC and LNK, probably via the concerted action of both its SH2 and SH3 domains.

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