

Recombinant Human GRB2

Catalog No: CE35

Description	Recombinant Human Growth Factor Receptor-Bound Protein 2 is produced by our E.coli expression system and the target gene encoding Met1-Val217 is expressed with a 6His tag at the C-terminus.
Source	Human Cells
Alternative name	Growth Factor Receptor-Bound Protein 2; Adapter Protein GRB2; Protein Ash; SH2/SH3 Adapter GRB2; GRB2; ASH
Accession No.	P62993
Formulation	Lyophilized from a 0.2 µm filtered solution of 20mM TrisHCl, 150mM NaCl, pH 8.0.
Reconstitution	<p>Always centrifuge tubes before opening. Do not mix by vortex or pipetting.</p> <p>It is not recommended to reconstitute to a concentration less than 100µg/ml.</p> <p>Dissolve the lyophilized protein in distilled water.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Quality Control	<p>Purity: Greater than 95% as determined by reducing SDS-PAGE.</p> <p>Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.</p>
Shipping	<p>The product is shipped at ambient temperature.</p> <p>Upon receipt, store it immediately at the temperature listed below.</p>
Storage	<p>Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.</p> <p>Reconstituted protein solution can be stored at 4-7°C for 2-7 days.</p> <p>Aliquots of reconstituted samples are stable at < -20°C for 3 months.</p>
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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