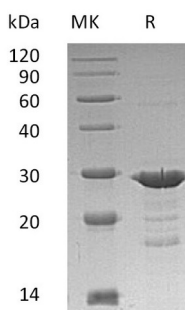


Summary

Name	Growth factor receptor-bound protein 2/GRB2/ASH
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/ μ g as determined by LAL test.
Construction	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.
Accession #	P62993
Host	E.coli
Species	Human
Predicted Molecular Mass	26.3 KDa
Formulation	Lyophilized from a 0.2 μ m filtered solution of 20mM PB, 6% Sucrose, 4% Mannitol, 50mM NaCl, 0.05% Tween 80, pH8.0.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at $\leq -70^{\circ}\text{C}$, stable for 6 months after receipt. Store at $\leq -70^{\circ}\text{C}$, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μ g/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

SDS-PAGE image



Background

Product Name: Recombinant Human GRB2 (C-6His)
Catalog #: PEH0762



Alternative Names

Growth Factor Receptor-Bound Protein 2; Adapter Protein GRB2; Protein Ash; SH2/SH3 Adapter GRB2; GRB2; ASH

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.

Note

For Research Use Only , Not for Diagnostic Use.