Recombinant GRAP2 protein (His tag)

Catalog Number	546562
Synonyms	Adapter protein GRID; GRB-2-like protein; GRB2L; GRBLG; GRBX; Grf40 adapter protein; Grf-40; Growth factor receptor-binding protein; Hematopoietic cell-associated adapter protein GrpL; P38; Protein GADS; SH3-SH2-SH3 adapter Mona
Species	Human
Expression System	E. coli
Accession	O75791
Molecular Weight	Predictes a molecular mass of 19.01 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 20 kDa band.

Product Information

Sequence Region	1-148
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>88%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Endotoxin	Not tested.
Activity	Not tested.
Stability	Samples are stable for up to twelve months from date of receipt at -70℃
Protein Construction	DNA encoding 1-148 aa (O75791) were fused with 6His tag.

Storage & Handling

Reconstitution	Reconstitute at 0.25 μg/μl in sterile water for short-term storage. Reconstitution with 50% glycerol solution is recommended for longer term storage (see Stability and Storage for more details). If a different concentration is needed for your purposes please adjust the reconstitution volume as required (please note: the ion concentration of the final solution will vary according to the volume used). Note: Centrifuge vial before opening. When reconstituting, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution.
Storage	Store it under sterile conditions at -20℃ to -80℃. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Shipping	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

Description

Description	Recombinant GRB2-related adapter protein 2 (GRAP2) fragment (amino acids 1-148), encompassing the SH3 1 domain, designed for targeted investigation of domain-specific interactions and signaling mechanisms in cellular processes. The full-length GRB2-related adapter protein 2 (GRAP2) is a key signaling adapter that interacts with SLP-76 to regulate NF-AT activation and binds tyrosine-phosphorylated shc, playing a crucial role in immune and growth factor receptor pathways. It localizes to the nucleus, cytoplasm, and endosomes, facilitating its involvement in diverse cellular signaling events. This fragment enables focused study of the SH3 1 domain's contributions to these functions.