Recombinant FA13B protein (His tag)

Catalog Number	549390
Synonyms	GAP-like protein N61
Species	Human
Expression System	E. coli
Accession	Q9NYF5
Molecular Weight	Predictes a molecular mass of 26.05 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 28 kDa band.

Product Information

Sequence Region	1-213
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>87%, 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 1-213 aa (Q9NYF5) 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 Human FAM13B (1-213) is a high-purity protein fragment encompassing the complete Rho-GAP domain (residues 23-212). This carefully designed construct provides researchers with an ideal tool for investigating the specific GTPase-activating functions of FAM13B, enabling targeted studies of Rho family protein regulation and signaling pathways. Protein FAM13B, also known as GAP-like protein N61, is encoded by the FAM13B gene in humans. While detailed functional characterization and subcellular localization information for the full-length protein are still under investigation, the presence of the Rho-GAP domain suggests a potential role in regulating Rho family GTPases, which are critical mediators of diverse cellular processes including cytoskeletal organization, cell migration, and signal transduction pathways.