Recombinant FA13A protein (His tag)

Catalog Number	548909
Species	Human
Expression System	E. coli
Accession	O94988
Molecular Weight	Predictes a molecular mass of 27.81 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 28 kDa band.

Product Information

Sequence Region	1-232
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>90%, 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 1-232 aa (O94988) 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 FAM13A (1-232) is a high-purity protein fragment designed to encompass the Rho-GAP domain (residues 43-231), providing an essential tool for researchers studying GTPase regulation, cellular signaling, and domain-specific functions in disease contexts. FAM13A is a human protein encoded by the FAM13A gene, with roles that are still under investigation in various biological processes. While specific functional and localization details are not fully characterized, it is known to contain a Rho-GAP domain, which is critical for regulating Rho GTPase activity—key in cytoskeletal dynamics, cell migration, and proliferation. This recombinant fragment enables focused studies on the mechanistic contributions of FAM13A's Rho-GAP domain to cellular pathways and associated pathologies.