Recombinant IFT22 protein (His tag)

Catalog Number	549648
Synonyms	Rab-like protein 5
Species	Human
Expression System	E. coli
Accession	Q9H7X7
Molecular Weight	Predictes a molecular mass of 22.49 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 24 kDa band.

Product Information

Sequence Region	1-185
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>86%, 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 1-185 aa (Q9H7X7) 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 Intraflagellar transport protein 22 homolog (Rab-like protein 5) fragment (residues 1-185) is a stable and soluble protein unit designed for structural and biochemical studies. This fragment, derived from the IFT22 gene, represents a key component of the intraflagellar transport complex B, offering researchers a reliable tool for investigating ciliary function and dynamics. Intraflagellar transport protein 22 homolog (Rab-like protein 5) functions as a small GTPase-like component of the intraflagellar transport (IFT) complex B, which is essential for the assembly and maintenance of cilia. Cilia are critical cellular projections involved in sensory perception and signaling, and defects in IFT complexes are linked to various ciliopathies. The protein is localized to the cilium, where it contributes to the bidirectional transport of cargo along the ciliary axoneme, facilitating proper ciliary function and cellular communication.