Recombinant FERY3 protein (His tag)

Catalog Number	543697
Synonyms	Fy-3
Species	Human
Expression System	E. coli
Accession	Q9NQ89
Molecular Weight	Predictes a molecular mass of 34.20 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 34 kDa band.

Product Information

Sequence Region	269-552
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 269-552 aa (Q9NQ89) 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 Ferry endosomal RAB5 effector complex subunit 3 (Fy-3) fragment (residues 269-552) is a highly stable and soluble protein designed for structural and biochemical studies. This fragment, derived from the human FERRY3 gene, enables researchers to investigate the molecular mechanisms of mRNA transport and endosomal dynamics. The full-length Fy-3 protein is a component of the FERRY complex, a RAB5A effector that directly interacts with mRNAs and facilitates their endosomal transport. It plays a critical role in recruiting mRNAs and ribosomes to early endosomes, contributing to mRNA localization and distribution. Additionally, Fy-3 is involved in mast cell degranulation. The protein is localized in the cytoplasm and early endosomes, underscoring its importance in intracellular trafficking and RNA-mediated cellular processes.