Recombinant RTL5 protein (His tag)

Catalog Number	551961
Synonyms	Retrotransposon gag domain-containing protein 4
Species	Human
Expression System	E. coli
Accession	Q5HYW3
Molecular Weight	Predictes a molecular mass of 20.16 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 22 kDa band.

Product Information

Sequence Region	151-311
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>85%, 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 151-311 aa (Q5HYW3) 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	Introducing our high-quality recombinant protein fragment of human Retrotransposon Gag-like protein 5 (RTL5). This product, encompassing amino acids 151-311, is a stable and soluble 161-amino acid unit, expertly designed for structural biology and biochemical characterization studies. Retrotransposon Gag-like protein 5, encoded by the RTL5 gene, is a human protein containing a retrotransposon gag domain. The specific biological function and subcellular localization of the full-length protein are areas of active research. This recombinant fragment was computationally selected to represent a predicted stable and soluble region of the protein, facilitating experimental investigation into its properties and potential roles.