Recombinant RTL8A protein (His tag)

Catalog Number	551261
Synonyms	Mammalian retrotransposon derived protein 8A
Species	Human
Expression System	E. coli
Accession	Q9BWD3
Molecular Weight	Predictes a molecular mass of 14.84 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 16 kDa band.

Product Information

Sequence Region	1-113
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 1-113 aa (Q9BWD3) 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	This product is a high-quality recombinant protein fragment of human Retrotransposon Gag-like protein 8A (RTL8A), encompassing residues 1-113. This fragment was computationally designed for optimal stability and solubility, making it an ideal reagent for structural biology studies and in vitro biochemical assays. The full-length Retrotransposon Gag-like protein 8A (UniProt ID: Q9BWD3) is encoded by the RTL8A gene in Homo sapiens. As a mammalian retrotransposon-derived protein, it is a product of ancient viral genetic elements integrated into the human genome. While specific molecular functions and subcellular localization details for RTL8A are areas of active research, proteins in this family are generally of significant interest for understanding genome evolution, epigenetic regulation, and host-virus interactions. This recombinant fragment provides a focused tool to investigate the properties and potential interactions of this intriguing protein.