Recombinant ST3L4 protein (His tag)

Catalog Number	552007
Synonyms	Stromal antigen 3-like protein 4
Species	Human
Expression System	E. coli
Accession	Q8TBR4
Molecular Weight	Predictes a molecular mass of 18.67 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 19 kDa band.

Product Information

Sequence Region	1-150
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 1-150 aa (Q8TBR4) 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 the human Putative STAG3-like protein 4 (STAG3L4). The fragment, encompassing amino acids 1-150, has been computationally designed for optimal stability and solubility, making it an ideal reagent for structural biology studies, biochemical assays, and functional characterization. The full-length Putative STAG3-like protein 4 (UniProt ID: Q8TBR4) is encoded by the STAG3L4 gene in Homo sapiens. As a member of the stromal antigen family, proteins like STAG3L4 are typically involved in chromosomal cohesion and segregation during cell division, playing critical roles in genome stability. While specific functional and subcellular localization data for this particular isoform is still under investigation, stromal antigen family proteins are generally nuclear and are essential components of the cohesin complex. Research on this protein contributes to the broader understanding of cell cycle regulation and chromosomal dynamics.