Recombinant ST7L protein (His tag)

Catalog Number	549312
Synonyms	ST7-related protein
Species	Human
Expression System	E. coli
Accession	Q8TDW4
Molecular Weight	Predictes a molecular mass of 47.07 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 47 kDa band.

Product Information

Sequence Region	152-545
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 152-545 aa (Q8TDW4) 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 ST7L Protein Fragment (aa 152-545) - A high-quality, stable, and soluble protein preparation of the Suppressor of tumorigenicity 7 protein-like (ST7-related protein), specifically engineered for structural biology and biochemical studies. This 394-amino acid fragment represents a computationally optimized region designed to maintain structural integrity while enhancing experimental utility. The full-length Suppressor of tumorigenicity 7 protein-like (encoded by the ST7L gene) is a multi-pass membrane protein localized to cellular membranes. As a ST7-related protein, it belongs to a family associated with tumor suppression functions, though specific mechanistic details remain under investigation. The membrane-associated nature of this protein suggests potential roles in cell signaling, receptor function, or membrane transport processes relevant to cellular regulation and disease pathways.