Recombinant TSN7 protein (His tag)

Catalog Number	546972
Synonyms	Tspan-7; Cell surface glycoprotein A15; Membrane component chromosome X surface marker 1; T-cell acute lymphoblastic leukemia-associated antigen 1; TALLA-1; Transmembrane 4 superfamily member 2; CD antigen CD231
Species	Human
Expression System	E. coli
Accession	P41732
Molecular Weight	Predictes a molecular mass of 13.21 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 13 kDa band.

Product Information

Sequence Region	113-213
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 113-213 aa (P41732) 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 Tetraspanin-7 (Tspan-7) Fragment (aa 113-213) is a high-purity protein product designed for structural and biochemical studies. This 101-amino acid fragment represents a stable, soluble unit of the membrane protein, ideal for investigating cell proliferation and motility mechanisms. Tetraspanin-7 is a multi-pass membrane protein involved in key cellular processes such as proliferation and motility. As a member of the transmembrane 4 superfamily, it functions as a cell surface glycoprotein and has been identified as T-cell acute lymphoblastic leukemia-associated antigen 1 (TALLA-1/CD231). The full-length protein localizes to the membrane, where it participates in cellular signaling and interaction networks. The selected fragment (aa 113-213) provides a representative soluble domain for experimental analysis while maintaining relevance to the protein's native functions.