Recombinant TSN31 protein (His tag)

Catalog Number	549751
Synonyms	Tspan-31; Sarcoma-amplified sequence
Species	Human
Expression System	E. coli
Accession	Q12999
Molecular Weight	Predictes a molecular mass of 10.85 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 11 kDa band.

Product Information

Sequence Region	94-173
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 94-173 aa (Q12999) 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-31 (Tspan-31) Fragment (residues 94-173) is a high-purity, 80-amino acid protein designed for structural and biochemical studies. This fragment, derived from the Sarcoma-amplified sequence, represents a stable and soluble unit optimized for research applications, enabling detailed analysis of membrane protein interactions and dynamics. Tetraspanin-31 (Tspan-31), also known as Sarcoma-amplified sequence, is a multi-pass membrane protein localized to the cell membrane in humans. As a member of the tetraspanin family, it is involved in organizing membrane complexes and facilitating cellular processes such as signaling, adhesion, and protein trafficking. The full-length protein's membrane-associated nature underscores its role in modulating membrane dynamics and intercellular communication, though specific functional details beyond its subcellular localization are not fully characterized in the provided data.