Recombinant TSN13 protein (His tag)

Catalog Number	550596
Synonyms	Tspan-13; Tetraspan NET-6; Transmembrane 4 superfamily member 13
Species	Human
Expression System	E. coli
Accession	O95857
Molecular Weight	Predictes a molecular mass of 9.62 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 10 kDa band.

Product Information

Sequence Region	94-167
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>89%, 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 94-167 aa (O95857) 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-13 (TSPAN13) Fragment (aa 94-167) - A highly stable and soluble protein fragment ideal for structural biology and biochemical studies. This 74-amino acid fragment represents a computationally optimized region of the Tetraspanin-13 protein, providing researchers with a reliable tool for investigating tetraspanin family proteins. Tetraspanin-13 (TSPAN13), also known as Tetraspan NET-6 or Transmembrane 4 superfamily member 13, is a multi-pass membrane protein localized to the cellular membrane. As a member of the tetraspanin superfamily, these proteins are known to form specialized membrane microdomains called tetraspanin-enriched microdomains (TEMs) that facilitate various cellular processes including cell adhesion, migration, and signal transduction. The full-length protein functions as an integral membrane component, playing roles in organizing membrane proteins and coordinating cellular interactions. This recombinant fragment provides researchers with a soluble, stable portion of the protein for detailed structural and functional analyses without the challenges associated with full-length membrane protein expression and purification.