Recombinant TENX protein (His tag)

Catalog Number	537619
Synonyms	TN-X; Hexabrachion-like protein
Species	Human
Expression System	E. coli
Accession	P22105
Molecular Weight	Predictes a molecular mass of 49.80 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 53 kDa band.

Product Information

Sequence Region	963-1400
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>90%, 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 963-1400 aa (P22105) 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 Tenascin-X (TN-X) Fragment (aa 963-1400) - A precisely engineered protein fragment containing three complete fibronectin type-III domains (2, 3, and 4), designed as an essential research tool for investigating domain-specific functions in extracellular matrix interactions and cell migration regulation. Tenascin-X (TN-X), also known as Hexabrachion-like protein, is a crucial extracellular matrix protein that mediates interactions between cells and their surrounding matrix environment. This substrate-adhesion molecule functions to inhibit cell migration and accelerates collagen fibril formation, playing important roles in tissue organization and stability. Research indicates TN-X may also support the growth of epithelial tumors, highlighting its significance in both normal physiology and pathological conditions. As a secreted protein localized to the extracellular space and extracellular matrix, TN-X serves as a key regulatory component in cellular adhesion and matrix organization processes.