Recombinant TSP2 protein (His tag)

Catalog Number	546935
Species	Human
Expression System	E. coli
Accession	P35442
Molecular Weight	Predictes a molecular mass of 24.95 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 26 kDa band.

Product Information

Sequence Region	19-226
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 19-226 aa (P35442) 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 Thrombospondin-2 (THBS2) Fragment (aa 19-226) is a high-purity protein designed to encompass the Laminin G-like domain, providing an essential tool for studying domain-specific functions in cell adhesion and antiangiogenic signaling. Thrombospondin-2, encoded by the THBS2 gene in Homo sapiens, is an adhesive glycoprotein that facilitates critical cell-to-cell and cell-to-matrix interactions. It functions as a ligand for CD36, through which it exerts antiangiogenic properties, playing a significant role in regulating vascular development and tissue remodeling. This recombinant fragment enables focused investigation into the functional contributions of its structural domains.