Recombinant CSTOS protein (His tag)

Catalog Number	550732
Species	Human
Expression System	E. coli
Accession	Q96C57
Molecular Weight	Predictes a molecular mass of 20.68 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 23 kDa band.

Product Information

Sequence Region	1-174
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 1-174 aa (Q96C57) 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 Protein CUSTOS (1-174) is a high-quality, soluble fragment of the human CUSTOS protein, designed for structural and biochemical studies. This fragment represents a stable unit ideal for investigating the protein's role in the Wnt signaling pathway during early development. Protein CUSTOS, encoded by the CUSTOS gene in Homo sapiens, plays a regulatory role in the Wnt signaling pathway, which is critical for early developmental processes. The full-length protein is localized to the nuclear envelope, suggesting potential involvement in nuclear functions related to Wnt signal modulation. This recombinant fragment (residues 1-174) was selected computationally to ensure stability and solubility, enabling reliable experimental analysis of its properties without the full-length complexity.