Recombinant CST9L protein (His tag)

Catalog Number	549372
Synonyms	Testatin
Species	Human
Expression System	E. coli
Accession	Q9H4G1
Molecular Weight	Predictes a molecular mass of 15.89 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 16 kDa band.

Product Information

Sequence Region	29-147
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 29-147 aa (Q9H4G1) 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	The Recombinant Human Cystatin-9-like (Testatin) Fragment (29-147) is a high-purity, soluble protein derived from the CST9L gene, designed for structural and biochemical studies. This 119-amino acid fragment represents a stable and functional unit, optimized for research applications requiring reliable protein performance. Cystatin-9-like (Testatin), encoded by the CST9L gene in Homo sapiens, is a secreted protein, as indicated by its subcellular localization. Secreted proteins often play roles in extracellular processes such as cell signaling, regulation, or immune responses, though the specific functional details for Cystatin-9-like are not fully defined in the provided data. The fragment (29-147) was selected computationally to ensure stability and solubility, facilitating investigations into protein structure and interactions.