Recombinant CRSPL protein (His tag)

Catalog Number	550235
Synonyms	Cysteine-rich secretory protein R3HDML
Species	Human
Expression System	E. coli
Accession	Q9H3Y0
Molecular Weight	Predictes a molecular mass of 24.25 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 24 kDa band.

Product Information

Sequence Region	57-253
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 57-253 aa (Q9H3Y0) 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	This recombinant protein product features a 197-amino acid fragment (residues 57-253) of the human Peptidase inhibitor R3HDML (Cysteine-rich secretory protein R3HDML), designed to encompass the complete SCP domain. It serves as an essential tool for investigating serine protease inhibition mechanisms and related cellular processes. The full-length Peptidase inhibitor R3HDML is a putative serine protease inhibitor, suggesting a role in regulating proteolytic activity critical for various physiological and pathological pathways. As a secreted protein, it functions in extracellular environments, where it may modulate protease-dependent signaling, inflammation, or tissue remodeling. This positions R3HDML as a protein of interest in studies of protease regulation and its implications in human health and disease.