Recombinant CRLD2 protein (His tag)

Catalog Number	548207
Synonyms	Cysteine-rich secretory protein 11; CRISP-11; LCCL domain-containing cysteine-rich secretory protein 2
Species	Human
Expression System	E. coli
Accession	Q9H0B8
Molecular Weight	Predictes a molecular mass of 25.49 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 25 kDa band.

Product Information

Sequence Region	282-497
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 282-497 aa (Q9H0B8) 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 CRISPLD2 (Cysteine-rich secretory protein LCCL domain-containing 2) fragment (aa 282-497) is a high-purity protein designed for functional studies. This fragment fully encompasses the LCCL 1 and LCCL 2 domains, making it an ideal tool for investigating domain-specific roles in matrix assembly. The full-length CRISPLD2 protein (UniProt ID: Q9H0B8) is a secreted human protein that promotes matrix assembly, indicating its potential role in extracellular matrix organization and tissue structure. As a secreted factor, it functions in the extracellular space, where it may contribute to cellular microenvironment regulation. The LCCL domains contained in this recombinant fragment are critical structural elements likely involved in its matrix-related functions.