Recombinant PRS38 protein (His tag)

Catalog Number	550567
Synonyms	Marapsin-2
Species	Human
Expression System	E. coli
Accession	A1L453
Molecular Weight	Predictes a molecular mass of 31.13 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 31 kDa band.

Product Information

Sequence Region	60-326
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>87%, 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 60-326 aa (A1L453) 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 Serine protease 38 (Marapsin-2) fragment (residues 60-326) is a high-purity protein designed for functional studies. This 267-amino acid fragment fully encompasses the Peptidase S1 domain, making it an ideal tool for investigating domain-specific protease activity and related biochemical pathways. Serine protease 38, encoded by the PRSS38 gene, is a secreted enzyme in humans, as indicated by its subcellular localization. As a member of the serine protease family (EC 3.4.21.-), it is involved in proteolytic processes, though specific functional details are still under investigation. Its secretion suggests potential roles in extracellular signaling or substrate processing, making it relevant for studying protease functions in physiological and pathological contexts.