Recombinant PRS23 protein (His tag)

Catalog Number	548910
Synonyms	Putative secreted protein Zsig13
Species	Human
Expression System	E. coli
Accession	O95084
Molecular Weight	Predictes a molecular mass of 42.68 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 43 kDa band.

Product Information

Sequence Region	20-383
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 20-383 aa (O95084) 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 23 (PRSS23) fragment (amino acids 20-383) is a high-quality protein product designed for structural and biochemical studies. This fragment, representing the putative secreted protein Zsig13, was computationally optimized for stability and solubility, making it an ideal tool for investigating serine protease mechanisms and related biological processes. Serine protease 23 (PRSS23), also known as putative secreted protein Zsig13, is a member of the serine protease family (EC 3.4.21.-) involved in proteolytic cleavage activities. According to UniProt entry O95084, this human protein is secreted into the extracellular space, suggesting potential roles in extracellular matrix remodeling, cell signaling, or other secretory pathway functions. The selected fragment (amino acids 20-383) encompasses the complete functional domain region, providing researchers with a representative protein unit for studying its catalytic properties and molecular interactions without the complications of full-length protein expression.