Recombinant PRS51 protein (His tag)

Catalog Number	551602
Species	Human
Expression System	E. coli
Accession	A0A1B0GVH4
Molecular Weight	Predictes a molecular mass of 20.47 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 20 kDa band.

Product Information

Sequence Region	17-174
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 17-174 aa (A0A1B0GVH4) 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 product is a high-quality recombinant fragment of human Serine protease-like protein 51 (PRSS51). The protein is provided as a soluble, stable fragment (amino acids 17-174), specifically designed for structural biology and functional characterization studies. Serine protease-like protein 51 (PRSS51) is a human protein annotated as a secreted protein, indicating it functions in the extracellular space. As a member of the serine protease-like family, it is implicated in proteolytic processing pathways, though its specific physiological substrates and precise biological role are areas of active research. The secreted nature suggests potential involvement in intercellular signaling, tissue remodeling, or immune regulation. The provided recombinant fragment represents a computationally optimized, soluble unit ideal for initiating biochemical and structural analyses to elucidate the protein's function and mechanism.