Recombinant PRS33 protein (His tag)

Catalog Number	549302
Synonyms	Serine protease EOS
Species	Human
Expression System	E. coli
Accession	Q8NF86
Molecular Weight	Predictes a molecular mass of 29.26 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 29 kDa band.

Product Information

Sequence Region	23-280
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 23-280 aa (Q8NF86) 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 33 (PRSS33) Fragment (residues 23-280) is a high-purity protein designed for studying amidolytic activity and protease functions. This fragment fully encompasses the Peptidase S1 domain, making it an ideal tool for targeted enzymatic assays and functional research. Serine Protease 33, encoded by the PRSS33 gene, is a secreted enzyme with amidolytic activity that cleaves substrates before arginine residues, as supported by experimental evidence (PubMed:12795636). As a serine protease (EC 3.4.21.-), it plays a role in proteolytic processes and is localized to the extracellular space, indicating its potential involvement in extracellular signaling or remodeling pathways.