Recombinant PRS29 protein (His tag)

Catalog Number	550032
Synonyms	Implantation serine proteinase 2-like protein; ISP2-like protein
Species	Human
Expression System	E. coli
Accession	A6NIE9
Molecular Weight	Predictes a molecular mass of 28.68 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 29 kDa band.

Product Information

Sequence Region	71-313
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 71-313 aa (A6NIE9) 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 Putative Serine Protease 29 (PRSS29P) Fragment (residues 71-313) is a high-purity protein designed for structural and biochemical studies. This 243-amino acid fragment was computationally optimized for stability and solubility, enabling reliable investigation of serine protease mechanisms and implantation-related functions. The full-length Putative Serine Protease 29 (encoded by gene PRSS29P) is classified as EC 3.4.21.- and is also known as Implantation Serine Proteinase 2-like protein (ISP2-like protein). According to UniProt annotation (A6NIE9), this protein is secreted in human cells, suggesting potential roles in extracellular processes. While detailed functional characterization remains to be fully elucidated, its classification as a serine protease and association with implantation processes indicate potential significance in reproductive biology and tissue remodeling pathways.