Recombinant F111B protein (His tag)

Catalog Number	538289
Synonyms	Cancer-associated nucleoprotein
Species	Human
Expression System	E. coli
Accession	Q6SJ93
Molecular Weight	Predictes a molecular mass of 26.47 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 26 kDa band.

Product Information

Sequence Region	386-600
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>90%, 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 386-600 aa (Q6SJ93) 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 FAM111B (Serine Protease) Fragment (aa 386-600) is a high-purity, soluble protein designed for structural and biochemical studies. This 215-amino acid fragment represents a stable and functional unit of FAM111B, supporting research into its protease activity and cancer-related roles. FAM111B is a serine protease (EC 3.4.21.-) implicated in cancer pathways, also referred to as Cancer-associated nucleoprotein. The full-length protein functions as a serine protease, with enzymatic activity inferred from ortholog data (UniProtKB:Q96PZ2). Its proteolytic function suggests roles in cellular regulation, though subcellular localization and detailed mechanisms require further investigation. This recombinant fragment enables focused analysis of FAM111B's biochemical properties and potential contributions to oncogenesis.