Recombinant FA50A protein (His tag)

Catalog Number	542671
Synonyms	Protein HXC-26; Protein XAP-5
Species	Human
Expression System	E. coli
Accession	Q14320
Molecular Weight	Predictes a molecular mass of 23.17 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 27 kDa band.

Product Information

Sequence Region	161-339
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>86%, 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 161-339 aa (Q14320) 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 FAM50A (Protein HXC-26/XAP-5) Fragment (aa 161-339) is a high-quality, stable protein designed for structural and biochemical studies. This 179-amino acid fragment, derived from the full-length protein involved in pre-mRNA splicing regulation, offers excellent solubility and reliability for research applications. FAM50A, also known as Protein HXC-26 or XAP-5, is a human protein primarily localized in the nucleus. It plays a crucial role in the regulation of pre-mRNA splicing, a fundamental process in gene expression and RNA processing. The selected fragment (amino acids 161-339) represents a stable, soluble region computationally optimized for experimental use, enabling detailed investigations into the protein's functional mechanisms without domain-specific constraints.