Recombinant PR38A protein (His tag)

Catalog Number	543158
Species	Human
Expression System	E. coli
Accession	Q8NAV1
Molecular Weight	Predictes a molecular mass of 22.69 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 24 kDa band.

Product Information

Sequence Region	1-178
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>88%, 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 1-178 aa (Q8NAV1) 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 Pre-mRNA-splicing factor 38A (PRPF38A) Fragment (1-178) is a high-quality protein product derived from human sources, designed to support research on spliceosome function and pre-mRNA splicing mechanisms. This fragment has been carefully selected for its stability and solubility, making it ideal for structural studies and biochemical assays. Pre-mRNA-splicing factor 38A, encoded by the PRPF38A gene, is a key component of the spliceosome and plays an essential role in pre-mRNA splicing, as supported by experimental evidence (PubMed:26673105, PubMed:28781166). The protein is localized to the nucleus, where it contributes to the complex machinery required for accurate RNA processing. This recombinant fragment (residues 1-178) represents a stable, soluble unit that facilitates experimental investigation into the protein's functional domains and interactions within the spliceosome.