Recombinant RNPL1 protein (His tag)

Catalog Number	548277
Synonyms	Arginyl aminopeptidase-like 1; Methionyl aminopeptidase
Species	Human
Expression System	E. coli
Accession	Q9HAU8
Molecular Weight	Predictes a molecular mass of 11.57 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 12 kDa band.

Product Information

Sequence Region	1-93
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>85%, 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 1-93 aa (Q9HAU8) 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 Aminopeptidase RNPEPL1 Fragment (residues 1-93) is a high-purity protein product designed for structural and biochemical studies. This fragment, derived from the arginyl aminopeptidase-like 1 enzyme, represents a stable and soluble unit optimized for research applications, enabling investigations into its broad specificity aminopeptidase activity. The full-length RNPEPL1 protein is a broad specificity aminopeptidase that preferentially hydrolyzes N-terminal methionine, citrulline, or glutamine residues. This enzymatic function is critical for protein maturation and regulation, as evidenced by its methionyl aminopeptidase activity (EC 3.4.11.18), playing a role in post-translational modifications and protein stability. The protein's activity supports fundamental cellular processes, making it a valuable target for biochemical and functional studies in human biology.