Recombinant GAL3A protein (His tag)

Catalog Number	551114
Species	Human
Expression System	E. coli
Accession	P0DPI2
Molecular Weight	Predictes a molecular mass of 25.67 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 26 kDa band.

Product Information

Sequence Region	42-268
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 42-268 aa (P0DPI2) 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 Glutamine amidotransferase-like class 1 domain-containing protein 3, mitochondrial (GATD3) fragment (residues 42-268) is a stable and soluble protein unit ideal for structural biology and biochemical studies, offering researchers a reliable tool to investigate mitochondrial protein function. The full-length Glutamine amidotransferase-like class 1 domain-containing protein 3, mitochondrial, encoded by the GATD3 gene in Homo sapiens, is localized to the mitochondrion, as indicated by its subcellular location. This mitochondrial association suggests a potential role in cellular energy production, metabolic regulation, or other mitochondrial processes, though specific functional details are not fully characterized. The provided fragment (residues 42-268) encompasses a key domain and was selected for its stability and solubility to facilitate experimental research into the protein's properties and mechanisms.