Recombinant MPPD1 protein (His tag)

Catalog Number	551093
Synonyms	Adult brain protein 239; 239AB
Species	Human
Expression System	E. coli
Accession	O15442
Molecular Weight	Predictes a molecular mass of 34.27 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 34 kDa band.

Product Information

Sequence Region	42-326
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 42-326 aa (O15442) 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 Metallophosphoesterase domain-containing protein 1 (MPPED1) fragment (residues 42-326) is a high-purity protein designed for structural and biochemical studies. This 285-amino acid fragment, representing a stable and soluble unit of the protein, is ideal for investigating metallophosphoesterase activity and related enzymatic functions in vitro. Metallophosphoesterase domain-containing protein 1 (MPPED1), also known as Adult brain protein 239 (239AB), is a human protein that may exhibit metallophosphoesterase activity, as demonstrated in vitro. This enzymatic function suggests a potential role in phosphoester hydrolysis, which could be involved in cellular signaling or metabolic pathways. The protein's significance lies in its association with brain tissue, though its precise biological context and subcellular localization require further investigation.