Recombinant LYPD4 protein (His tag)

Catalog Number	550403
Species	Human
Expression System	E. coli
Accession	Q6UWN0
Molecular Weight	Predictes a molecular mass of 23.38 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 23 kDa band.

Product Information

Sequence Region	27-225
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 27-225 aa (Q6UWN0) 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 Ly6/PLAUR domain-containing protein 4 (LYPD4) fragment encompassing amino acids 27-225, specifically designed to contain the complete UPAR/Ly6 functional domain. This high-quality human protein serves as an essential tool for investigating domain-specific functions in cellular research. Ly6/PLAUR domain-containing protein 4 (LYPD4) is a human protein localized to the cell membrane through GPI-anchor lipid attachment. While specific functional details require further characterization, its membrane association and domain architecture suggest potential roles in cell surface signaling, receptor interactions, or cellular adhesion processes. The GPI-anchor mediated membrane localization indicates this protein functions at the cell surface interface, potentially participating in intercellular communication or environmental sensing mechanisms.