Recombinant PATE2 protein (His tag)

Catalog Number	550407
Synonyms	PATE-like protein M; PATE-M
Species	Human
Expression System	E. coli
Accession	Q6UY27
Molecular Weight	Predictes a molecular mass of 11.70 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 12 kDa band.

Product Information

Sequence Region	27-113
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>87%, 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 27-113 aa (Q6UY27) 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 PATE2 (PATE-M) Fragment (aa 27-113) is a high-purity protein designed for functional studies. This 87-amino acid fragment fully encompasses the UPAR/Ly6 domain, making it an ideal tool for investigating domain-specific interactions and mechanisms in prostate and testis biology. Prostate and testis expressed protein 2 (PATE-M), encoded by the PATE2 gene, is a secreted protein in humans. Its subcellular localization suggests it functions in extracellular signaling or intercellular communication. The UPAR/Ly6 domain contained within this recombinant fragment is associated with protein-protein interactions and receptor binding, indicating potential roles in cellular recognition processes relevant to reproductive tissue function.