Recombinant UNC50 protein (His tag)

Catalog Number	545117
Synonyms	Periodontal ligament-specific protein 22; PDLs22; Protein GMH1 homolog; hGMH1; Uncoordinated-like protein
Species	Human
Expression System	E. coli
Accession	Q53HI1
Molecular Weight	Predictes a molecular mass of 11.56 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 12 kDa band.

Product Information

Sequence Region	1-82
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 1-82 aa (Q53HI1) 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 UNC50 Protein Fragment (aa 1-82) - A high-quality, soluble protein fragment ideal for structural studies and functional analysis of this key regulator of neuronal nicotinic receptor expression. The full-length Protein unc-50 homolog (also known as PDLs22, GMH1 homolog, or hGMH1) plays a crucial role in the cell surface expression of neuronal nicotinic receptors and exhibits RNA-binding capabilities. This multi-pass membrane protein localizes to both the inner nuclear membrane and Golgi apparatus membrane, suggesting its involvement in intracellular trafficking and membrane-associated processes. The UNC50 gene product represents an important regulatory component in neuronal receptor biology, with implications for understanding receptor expression and function in neurological systems.