Recombinant CSMD3 protein (His tag)

Catalog Number	545300
Synonyms	CUB and sushi multiple domains protein 3
Species	Human
Expression System	E. coli
Accession	Q7Z407
Molecular Weight	Predictes a molecular mass of 32.73 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 33 kDa band.

Product Information

Sequence Region	65-344
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 65-344 aa (Q7Z407) 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 CSMD3 Fragment (aa 65-344) - A high-purity protein fragment encompassing the critical CUB 1 and Sushi 1 domains of CUB and sushi domain-containing protein 3. This specialized tool enables focused investigation of CSMD3's functional domains involved in neuronal development processes. CUB and sushi domain-containing protein 3 (CSMD3) is a multi-pass membrane protein localized to the cell membrane and plays a crucial role in dendrite development. The full-length protein contains multiple functional domains that contribute to its biological activities in neuronal maturation and connectivity. The specific fragment offered (amino acids 65-344) strategically includes the CUB 1 (65-173) and Sushi 1 (176-237) domains, allowing researchers to study the distinct functions of these individual domains without interference from other regions of the full-length protein.