Recombinant CBLN3 protein (His tag)

Catalog Number	550657
Species	Human
Expression System	E. coli
Accession	Q6UW01
Molecular Weight	Predictes a molecular mass of 19.51 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 20 kDa band.

Product Information

Sequence Region	37-205
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 37-205 aa (Q6UW01) 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 Cerebellin-3 (CBLN3) Fragment (aa 37-205) is a high-purity protein designed for neuroscience and synaptic function research. This fragment fully encompasses the C1q functional domain, making it an ideal tool for studying domain-specific mechanisms in central nervous system signaling. Cerebellin-3, encoded by the CBLN3 gene, is implicated in synaptic functions within the central nervous system. The protein localizes to multiple cellular compartments including the endoplasmic reticulum, cis-Golgi network, and synapses, and is secreted under specific conditions. Its secretion depends on association with other cerebellin family members (particularly CBLN1 and potentially CBLN4), highlighting its role in protein complex formation and synaptic organization. When expressed alone, Cerebellin-3 remains primarily in the endoplasmic reticulum/cis-Golgi apparatus, indicating its dependence on partner proteins for proper trafficking and function.