Recombinant NBEL2 protein (His tag)

Catalog Number	545256
Species	Human
Expression System	E. coli
Accession	Q6ZNJ1
Molecular Weight	Predictes a molecular mass of 39.96 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 40 kDa band.

Product Information

Sequence Region	378-728
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>85%, 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 378-728 aa (Q6ZNJ1) 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	This recombinant protein is a fragment of the human Neurobeachin-like protein 2 (NBEAL2), encompassing residues 378-728. It is designed for structural and biochemical studies, offering a stable and soluble unit ideal for investigating its role in thrombopoiesis and alpha-granule development. The full-length Neurobeachin-like protein 2, encoded by the NBEAL2 gene in Homo sapiens, is involved in thrombopoiesis, playing a critical role in the development or secretion of alpha-granules. These granules contain growth factors essential for platelet biogenesis, highlighting the protein's importance in blood-related processes. It is primarily localized to the endoplasmic reticulum, as supported by scientific evidence.