Recombinant MIB2 protein (His tag)

Catalog Number	545636
Synonyms	Mind bomb homolog 2; Novel zinc finger protein; Novelzin; Putative NF-kappa-B-activating protein 002N; RING-type E3 ubiquitin transferase MIB2; Skeletrophin; Zinc finger ZZ type with ankyrin repeat domain protein 1
Species	Human
Expression System	E. coli
Accession	Q96AX9
Molecular Weight	Predictes a molecular mass of 15.71 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 16 kDa band.

Product Information

Sequence Region	829-955
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>86%, 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 829-955 aa (Q96AX9) 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 product is a recombinant fragment (residues 829-955) of the human E3 ubiquitin-protein ligase MIB2, a key regulator of the Notch signaling pathway. The fragment is designed for structural and biochemical studies, offering a stable and soluble unit ideal for investigating ubiquitination mechanisms. The full-length E3 ubiquitin-protein ligase MIB2 (UniProt ID: Q96AX9) functions as a RING-type E3 ubiquitin transferase that ubiquitinates Delta receptors, promoting their endocytosis and positively regulating Delta-mediated Notch signaling. This process is critical for cell fate determination and development. MIB2 is primarily localized in the cytoplasm and endosomes, where it associates with endosomal compartments to facilitate its role in protein trafficking and signaling modulation.