Recombinant FEZ2 protein (His tag)

Catalog Number	543832
Synonyms	Zygin II; Zygin-2
Species	Human
Expression System	E. coli
Accession	Q9UHY8
Molecular Weight	Predictes a molecular mass of 35.81 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 42 kDa band.

Product Information

Sequence Region	55-353
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>90%, 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 55-353 aa (Q9UHY8) 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 Fasciculation and elongation protein zeta-2 (Zygin II) Fragment (aa 55-353) is a high-purity protein designed for structural and biochemical studies. This 299-amino acid fragment represents a stable and soluble region of FEZ2, optimized for research on axonal outgrowth and fasciculation mechanisms. Fasciculation and elongation protein zeta-2 (Zygin II), encoded by the FEZ2 gene in Homo sapiens, plays a critical role in neuronal development by mediating axonal outgrowth and fasciculation. This protein is essential for proper neural network formation, making it a significant target for neuroscience and neurodevelopmental disorder research. The provided fragment (aa 55-353) was computationally selected to ensure structural stability and solubility, enabling reliable experimental applications without domain-specific constraints.