Recombinant FEZF2 protein (His tag)

Catalog Number	547798
Synonyms	Forebrain embryonic zinc finger-like protein 2; Zinc finger protein 312; Zinc finger protein Fez-like
Species	Human
Expression System	E. coli
Accession	Q8TBJ5
Molecular Weight	Predictes a molecular mass of 26.07 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 26 kDa band.

Product Information

Sequence Region	242-459
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 242-459 aa (Q8TBJ5) 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 product features a stable and soluble fragment (amino acids 242-459) of the human Fez family zinc finger protein 2 (FEZF2), optimized for structural and biochemical studies. It represents a key region of this transcription repressor, which is essential for neuronal development and specification. The full-length Fez family zinc finger protein 2 (FEZF2) functions as a transcription repressor critical for the specification of corticospinal motor neurons and other subcerebral projection neurons. It contributes to layer-specific patterning of subcortical projections, axonal fasciculation, and the development of dendritic arborization and spines in large layer V pyramidal neurons. Additionally, it may play a role in innate immunity. The protein is localized to the nucleus, where it exerts its regulatory functions.