Recombinant FRYL protein (His tag)

Catalog Number	539600
Synonyms	ALL1-fused gene from chromosome 4p12 protein
Species	Human
Expression System	E. coli
Accession	O94915
Molecular Weight	Predictes a molecular mass of 48.50 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 49 kDa band.

Product Information

Sequence Region	912-1320
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 912-1320 aa (O94915) 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 Protein furry homolog-like (FRYL) fragment (residues 912-1320) is a high-quality, stable protein designed for structural and biochemical studies. This 409-amino acid fragment, derived from the ALL1-fused gene from chromosome 4p12 protein, is ideal for investigating cytoskeletal regulation and neuronal morphogenesis processes. The full-length Protein furry homolog-like (FRYL) plays a critical role in maintaining the integrity of polarized cell extensions during morphogenesis and regulates the actin cytoskeleton. It is essential for patterning sensory neuron dendritic fields by promoting avoidance between homologous dendrites and limiting dendritic branching. Based on similarity to related proteins and supporting research (PubMed:16061630), FRYL may also function as a transcriptional activator, highlighting its importance in cellular development and neuronal organization.