Recombinant FAR2 protein (His tag)

Catalog Number	536502
Species	Caenorhabditis elegans
Expression System	E. coli
Accession	P34383
Gene ID	176284
Molecular Weight	Predictes a molecular mass of 19.91 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 22 kDa band.

Product Information

Sequence Region	18-182
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>88%, 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 18-182 aa (P34383) 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 Fatty-acid and retinol-binding protein 2 (far-2) fragment from Caenorhabditis elegans, encompassing residues 18-182. This stable and soluble protein unit is ideal for investigating lipid-binding mechanisms and advancing structural biology research. Fatty-acid and retinol-binding protein 2, encoded by the far-2 gene in Caenorhabditis elegans, is a secreted protein that likely functions in lipid binding, as indicated by its functional annotation. Its secretion suggests roles in extracellular lipid transport or signaling processes. The provided fragment (residues 18-182) represents a computationally optimized domain designed for high solubility and stability, facilitating experimental studies on its biochemical properties and interactions.