Recombinant ZIG7 protein (His tag)

Catalog Number	535203
Synonyms	2 Ig domain protein zig-7
Species	Caenorhabditis elegans
Expression System	E. coli
Accession	O44730
Gene ID	172096
Molecular Weight	Predictes a molecular mass of 25.80 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 26 kDa band.

Product Information

Sequence Region	22-239
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 22-239 aa (O44730) 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 Zwei Ig domain protein zig-7 fragment (22-239) from Caenorhabditis elegans, encompassing the complete Ig-like C2-type functional domain. This high-quality protein tool enables targeted investigation of domain-specific functions in neuronal positioning studies. The full-length Zwei Ig domain protein zig-7 is a secreted protein in Caenorhabditis elegans. Research indicates it is probably not involved in maintaining the position of ASI and ASH head neuron cell bodies and ventral nerve cord axons of PVQ, PVP, RMEV, AVK, and HSN neurons. As a secreted protein, it functions in the extracellular environment, though its precise biological role in neuronal positioning requires further investigation based on current evidence.