Recombinant ODD2 protein (His tag)

Catalog Number	535117
Species	Caenorhabditis elegans
Expression System	E. coli
Accession	Q9N5X6
Gene ID	183219
Molecular Weight	Predictes a molecular mass of 17.17 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 17 kDa band.

Product Information

Sequence Region	122-254
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>86%, 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 122-254 aa (Q9N5X6) 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 Protein odd-skipped-related 2 (odd-2) Fragment (aa 122-254): A high-quality, stable fragment derived from Caenorhabditis elegans, designed for structural and biochemical studies. This 133-amino acid segment retains key properties for investigating transcription regulation and digestive tract morphogenesis. Protein odd-skipped-related 2, encoded by the odd-2 gene in Caenorhabditis elegans, is a probable transcription regulator essential for morphogenesis and function of the digestive tract, as supported by experimental evidence (PubMed:14648222). It localizes to the nucleus, indicating its role in gene expression control. The selected fragment (aa 122-254) was computationally optimized for stability and solubility, enabling reliable use in research applications without containing known domains.