Recombinant NHR4 protein (His tag)

Catalog Number	534715
Species	Caenorhabditis elegans
Expression System	E. coli
Accession	O45436
Gene ID	177839
Molecular Weight	Predictes a molecular mass of 33.10 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 33 kDa band.

Product Information

Sequence Region	216-492
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 216-492 aa (O45436) 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 Nuclear hormone receptor family member nhr-4 (residues 216-492) from Caenorhabditis elegans is a high-purity fragment designed for structural and biochemical studies. This 277-amino acid construct offers a stable, soluble unit ideal for investigating orphan nuclear receptor mechanisms. Nuclear hormone receptor family member nhr-4 is an orphan nuclear receptor encoded by the nhr-4 gene in Caenorhabditis elegans. As a nuclear receptor, it functions within the nucleus, where it likely regulates gene expression through DNA binding and ligand interactions. Orphan nuclear receptors like nhr-4 are significant in research for their roles in development, metabolism, and disease pathways, providing insights into conserved regulatory systems.