# Recombinant MAP11 protein (His tag)

| | |
|---|---|
| **Catalog Number** | 531600 |
| **Species** | Caenorhabditis elegans |
| **Expression System** | E. coli |
| **Accession** | P91859 |
| **Gene ID** | 173357 |
| **Molecular Weight** | Predictes a molecular mass of 25.18 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 25 kDa band. |

## Product Information

| | |
|---|---|
| **Sequence Region** | 1-225 |
| **Form** | Lyophilized powder |
| **Formulation** | Lyophilized from sterile PBS, pH 7.4 |
| **Purity** | >85%, 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 1-225 aa (P91859) 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.<br>Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise. |

## Description

| | |
|---|---|
| **Description** | Recombinant Microtubule-associated protein homolog maph-1.1 (residues 1-225) from Caenorhabditis elegans offers a stable, soluble fragment ideal for structural studies and biochemical assays, supporting research on microtubule-associated protein functions.<br>The full-length Microtubule-associated protein homolog maph-1.1, encoded by the gene maph-1.1, localizes to microtubules in neuronal cell bodies, axons, dendrites, and the perikaryon, as well as the cytoplasm and cytoskeleton, indicating its role in neuronal structure and microtubule dynamics. This localization underscores its importance in cellular organization and neuronal function, making it a valuable target for neuroscience and cell biology research. |