# Recombinant MIF2 protein (His tag)

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| **Catalog Number** | 536732 |
| **Species** | Caenorhabditis elegans |
| **Expression System** | E. coli |
| **Accession** | Q18785 |
| **Gene ID** | 179638 |
| **Molecular Weight** | Predictes a molecular mass of 14.49 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 14 kDa band. |

## Product Information

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| **Sequence Region** | 1-120 |
| **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 1-120 aa (Q18785) were fused with 6His tag. |

## Storage & Handling

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| **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

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| **Description** | Recombinant MIF-like protein mif-2 fragment (amino acids 1-120) from Caenorhabditis elegans offers a stable and soluble unit ideal for structural biology and biochemical studies. This high-quality protein is designed to support research into its functional mechanisms.<br>The full-length MIF-like protein mif-2 is encoded by the mif-2 gene in Caenorhabditis elegans. As a member of the MIF protein family, it is implicated in immune and inflammatory responses, though specific functional details and subcellular localization for this homolog are not fully characterized. Further research using this recombinant fragment can help elucidate its biological roles and interactions. |