# Recombinant MFAP3 protein (His tag)

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| **Catalog Number** | 548672 |
| **Species** | Human |
| **Expression System** | E. coli |
| **Accession** | P55082 |
| **Molecular Weight** | Predictes a molecular mass of 11.56 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 12 kDa band. |

## Product Information

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| **Sequence Region** | 59-147 |
| **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 59-147 aa (P55082) 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 Human Microfibril-associated glycoprotein 3 (MFAP3) fragment (residues 59-147) is a stable and soluble protein unit designed for structural and biochemical studies. This 89-amino acid fragment, derived from the full-length protein involved in elastin-associated microfibrils, offers researchers a focused tool to investigate MFAP3's molecular interactions and properties in vitro.<br>Microfibril-associated glycoprotein 3 (MFAP3) is a component of elastin-associated microfibrils, which are essential structural elements in connective tissues. As a single-pass type I membrane protein localized to the cell membrane, MFAP3 contributes to the integrity and function of microfibrillar networks. These networks play critical roles in providing elasticity and structural support to tissues, making MFAP3 relevant for studies in extracellular matrix biology, tissue mechanics, and related pathologies. |