Recombinant MFAP2 protein (His tag)

Catalog Number	540059
Synonyms	MFAP-2; Microfibril-associated glycoprotein 1; MAGP; MAGP-1
Species	Human
Expression System	E. coli
Accession	P55001
Molecular Weight	Predictes a molecular mass of 11.73 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 12 kDa band.

Product Information

Sequence Region	95-183
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>90%, 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 95-183 aa (P55001) 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 Human MFAP2 (MFAP-2/MAGP-1) Fragment (aa 95-183): A high-purity protein fragment encompassing the ShKT domain, designed for targeted studies of microfibril-associated protein interactions and extracellular matrix function. Microfibrillar-associated protein 2 (MFAP-2), also known as Microfibril-associated glycoprotein 1 (MAGP-1), is a secreted component of elastin-associated microfibrils in the extracellular matrix. As part of the extracellular space, it contributes to the structural integrity and functional properties of microfibrils, which are essential for elastic fiber formation and tissue elasticity. The provided fragment (amino acids 95-183) contains the ShKT domain (aa 153-183), enabling focused investigation into domain-specific roles in protein-protein interactions and microfibril assembly.