

Active Recombinant Human Microfibrillar Associated Protein 5, His-tagged

Cat. No. MFAP5-5689H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human MFAP5 protein was expressed in Murine myeloma cell line with a C-terminal 6-Histag. Ile22-Leu173.
Species	Human
Source	Mammalian Cells
Protein Length	22-173 a.a.
Description	MFAP5 is a secreted, cell-associated 25 kDa mammalian member of the MFAP family of proteins. Human MFAP5 cDNA encodes 173 amino acids (aa) including a 21 aa signal sequence, an RDG motif (aa 30-32; absent in MAGP1) and a central cysteine-rich binding domain (aa 84-140). Mature human MFAP5 shares 80%, 82%, 82%, 84% and 85% aa identity with mouse, rat, bovine, porcine and canine MFAP5, respectively.
Form	Lyophilized from a 0.2 µm filtered solution in PBS.
N-terminal Sequence	Ile22 & Ser154
Molecular Weight	18.1 kDa
Activity	Measured by the ability of the immobilized protein to support the adhesion of BUD-8 human skin fibroblast cells. When 2 x 10 ⁴ cells /well are added to Recombinant Human MFAP5 coated plates (10 µg/ mL, with 100 µL/ well), approximately 50-75%

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will adhere after one hour at 37°C.

Endotoxin Level <1.0 EU per 1 µg of the protein by the LAL method.

SDS-PAGE 25-35kDa, reducing conditions.

Purity >95%, by SDS-PAGE under reducing conditions and visualized by silver stain.

Reconstitution 400µg/mL in PBS

Storage Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70°C as supplied. 1 month, 2 to 8°C under sterile conditions after reconstitution. 3 months, -20 to -70°C under sterile conditions after reconstitution.

GENE INFORMATION

Gene Name MFAP5 microfibrillar associated protein 5 [Homo sapiens]

Official Symbol MFAP5

Synonyms MFAP5; microfibrillar associated protein 5; MP25; MAGP2; microfibrillar-associated protein 5; MAGP-2; MFAP-5; microfibril-associated glycoprotein 2; microfibril-associated glycoprotein-2; OTTHUMP00000239218; OTTHUMP00000239219; OTTHUMP00000239220; OTTHUMP00000239266; OTTHUMP00000239268; OTTHUMP00000239269; OTTHUMP00000239270; OTTHUMP00000239271; OTTHUMP00000239272

Gene ID 8076

mRNA Refseq NM_003480

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Protein Refseq	NP_003471
MIM	601103
UniProt ID	Q13361
Chromosome Location	12p13.1-p12.3
Pathway	Notch signaling pathway
Function	extracellular matrix structural constituent

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