

## Mouse MFAP4 Protein

Cat. No. MAP-MM104

### Description

<b>Source</b>	Recombinant Mouse MFAP4 Protein is expressed from HEK293 with His tag and Flag tag at the N-Terminus. It contains Gln23-Ala257.
<b>Accession</b>	Q9D1H9-1
<b>Molecular Weight</b>	The protein has a predicted MW of 28.7 kDa. Due to glycosylation, the protein migrates to 35-40 kDa based on Bis-Tris PAGE result.
<b>Endotoxin</b>	Less than 1EU per $\mu$ g by the LAL method.
<b>Purity</b>	> 95% as determined by Bis-Tris PAGE

### Formulation and Storage

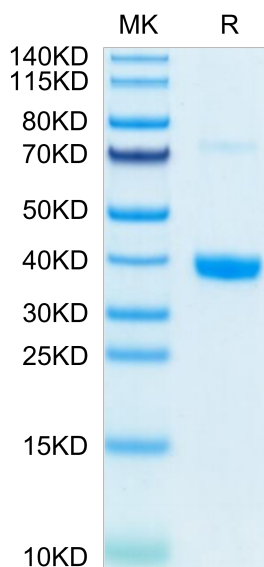
<b>Formulation</b>	Supplied as 0.22 $\mu$ m filtered solution in PBS (pH 7.4).
<b>Storage</b>	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

### Background

Microfibril-associated glycoprotein 4 (MFAP4) is an extracellular matrix protein belonging to the fibrinogen-related protein superfamily. MFAP4 is produced by vascular smooth muscle cells and is highly enriched in the blood vessels of the heart and lung, where it is thought to contribute to the structure and function of elastic fibers. Genetic studies in humans have implicated MFAP4 in the pathogenesis of Smith-Magenis syndrome, in which patients present with multiple congenital abnormalities and mental retardation, as well as in the severe cardiac malformation left-sided congenital heart disease.

### Assay Data

#### Bis-Tris PAGE



Mouse MFAP4 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.