# Data Sheet (Cat.No.TMPY-04171)

TargetMol

## MFAP3 Protein, Human, Recombinant (hFc)

### General Information

| | |
|---|---|
| Synonyms: | microfibrillar-associated protein 3 |
| Protein Construction: | A DNA sequence encoding the human MFAP3 (NP_005918.1) (Met1-Met147) was expressed with the Fc region of human IgG1 at the C-terminus. Predicted N terminal: Ala 19 |
| Species: | Human |
| Expression Host: | HEK293 Cells |
| Accession: | P55082-1 |
| Molecular Weight: | 41 kDa (predicted) |

### QC Testing

| | |
|---|---|
| Biological Activity: | Activity testing is in progress. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first. |
| Purity: | > 95 % as determined by SDS-PAGE |
| Endotoxin: | < 1.0 EU/μg of the protein as determined by the LAL method. |
| Formulation: | Lyophilized from a solution filtered through a 0.22 μm filter, containing PBS, pH 7.4. Typically, a mixture containing 5% to 8% trehalose, mannitol, and 0.01% Tween 80 is incorporated as a protective agent before lyophilization. |

### Preparation and Storage

Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

Stability & Storage:

It is recommended to store recombinant proteins at -20°C to -80°C for future use. Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

### Protein Background

MFAP3 (Microfibril Associated Protein 3) is a Protein Coding gene. The human gene encoding MFAP3 has a very simple structure, containing only two translated exons encoding a protein of 362 amino acids. The gene was found to be located on chromosome 5q32-q33.2, near the locus 5q21-q31 reported for the fibrillin gene, FBN2, which has been linked to congenital contractural arachnodactyly. MFAP3 is widely expressed in the placenta, urinary bladder, and other tissues. It does not appear to share homology with any other known protein. MFAP3 is a

candidate gene for heritable diseases affecting microfibrils. Diseases associated with MFAP3 include Lutembacher's Syndrome and Postural Orthostatic Tachycardia Syndrome.



Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481