

## Recombinant Mouse Fap Protein, MYC/DDK-tagged

Cat. No. Fap-1018M    Lot. No. (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
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| <b>Product Overview</b> | Purified recombinant protein of full-length mouse fibroblast activation protein (Fap), with C-terminal MYC/DDK tag, was expressed in HEK293T cells.                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Description</b>      | This gene belongs to the serine protease family. The encoded protein is an inducible cell-surface bound glycoprotein specifically expressed in tumor-associated fibroblasts and pericytes of epithelial tumors and has protease and gelatinase activity. The protein plays a role in remodeling of the extracellular matrix (ECM) and may affect tumorigenesis and tissue repair. Alternately spliced transcript variants of this gene are described in the literature (PMID 9139873), but the full-length sequence of these variants is not available. |
| <b>Molecular Mass</b>   | 88 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Purity</b>           | >80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Stability</b>        | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Storage</b>          | Store at -80 centigrade after receiving vials.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Concentration</b>    | >50 g/mL as determined by microplate BCA method                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

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**Storage Buffer** 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

## GENE INFORMATION

**Gene Name** [Fap fibroblast activation protein \[ Mus musculus \(house mouse\) \]](#)

**Official Symbol** [Fap](#)

**Synonyms** Fap; fibroblast activation protein; SIMP; prolyl endopeptidase FAP; FAPalpha; dipeptidyl peptidase FAP; fibroblast activation protein alpha; gelatine degradation protease FAP; integral membrane serine protease; post-proline cleaving enzyme; seprase; serine integral membrane protease; surface-expressed protease; EC 3.4.14.5; EC 3.4.21.26

**Gene ID** [14089](#)

**mRNA Refseq** [NM\\_007986](#)

**Protein Refseq** [NP\\_032012](#)

**UniProt ID** [P97321](#)

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