MOUSE FAP PROTEIN, N-MFC TAG

Cat.#: 11328

Product Name: Mouse FAP Protein

Size : 10 µg, 50 µg and 100 µg

Synonyms: SIMP;APCE

Target: FAP

UNIPROT ID: P97321

Description: Recombinant mouse FAP protein with N-mFc tag

Background: 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.

Species/Host: HEK293

Molecular Weight: The protein has a predicted molecular mass of 111.5 kDa after removal of the signal peptide.The apparent molecular mass of mFc-Mouse-FAP is approximately 130 kDa due to glycosylation.

Molecular Characterization: mFc(Pro99-Lys330) Mouse FAP(Leu26-Asp761)

Purity: The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.

Formulation & Reconstitution: Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

Storage & Shipping: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

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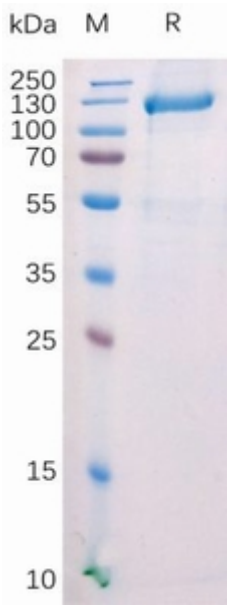

Figure 1. Mouse FAP Protein, N-mFc Tag on SDS-PAGE under reducing condition.

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