

Active Recombinant Mouse FAP protein, His-Avi-tagged, Biotinylated

Cat. No. FAP-321MB **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Recombinant Mouse FAP protein(Leu 26 - Asp 761), fused with His and Avi tag, was expressed in HEK293.
Species	Mouse
Source	HEK293
ProteinLength	Leu26-Asp761
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.
Bio-activity	Immobilized Biotinylated Mouse FAP, His,Avitag at 1 µg/mL (100 µL/well) on streptavidin precoated (0.5 µg/well) plate can bind Anti-FAP Antibody, Mouse IgG2a (FAP5) with a linear range of 0.2-6 ng/mL.Immobilized Anti-FAP Antibody, Mouse IgG2a (FAP 5) at 5 µg/mL (100 µL/well) can bind Biotinylated Mouse FAP, His,Avitag with a linear range of 1-20 ng/mL.Measured by its ability to convert the substrate benzyloxycarbonyl-Gly-Pro-7-amido-4-methylcoumarin (Z-GP-AMC) to Z-Gly-Pro and 7-amino-4-methylcoumarin (AMC). The specific activity is >3500 pmol/min/g.
Molecular Mass	This protein carries a polyhistidine tag at the N-terminus, followed by an Avi tag (Avitag™).The protein has a calculated MW of 92.7 kDa. The protein migrates as 80-100 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

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Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>95% as determined by SDS-PAGE.>90% as determined by SEC-MALS.
Storage	For long term, the product should be stored at lyophilized state at -20°C or lower.Please protect from light and avoid repeated freeze-thaw cycles.This product is stable after at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.
Conjugation	Biotin

GENE INFORMATION

Gene Name	Fap fibroblast activation protein [Mus musculus]
Official Symbol	FAP
Synonyms	FAP; fibroblast activation protein; seprase; integral membrane serine protease; fibroblast activation protein alpha;
Gene ID	14089
mRNA Refseq	NM_007986
Protein Refseq	NP_032012

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