

Active Recombinant Rat FAP protein, His-tagged

Cat. No. FAP-1442R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat FAP protein(Leu26-Asp761), fused with His tag, was expressed in HEK293.
Species	Rat
Source	HEK293
ProteinLength	26-761 a.a.
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4.
Bio-activity	Immobilized Rat FAP, His Tag at 1 µg/mL (100 µL/well) can bind Anti-FAP Antibody, Mouse IgG2a (FAP5) with a linear range of 0.6-4 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 >6500 pmol/min/µg.
Molecular Mass	This protein carries a polyhistidine tag at the N-terminus. The protein has a calculated MW of 91.5 kDa. The protein migrates as 80-100 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Proteinlength	Leu26-Asp761
Endotoxin	Less than 1.0 EU per µg by the LAL method.

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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 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.

GENE INFORMATION

Gene Name	Fap fibroblast activation protein, alpha [Rattus norvegicus]
Official Symbol	FAP
Synonyms	FAP; fibroblast activation protein, alpha; seprase;
Gene ID	192203
mRNA Refseq	NM_138850
Protein Refseq	NP_620205

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