

Recombinant Rat Fap Protein, His-tagged

Cat. No. Fap-2764R Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Fap Protein (Gly542-Asp761) with N-His tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Gly542-Asp761
Description	Predicted to enable several functions, including integrin binding activity; peptidase activity; and protein homodimerization activity. Predicted to be involved in several processes, including melanocyte apoptotic process; melanocyte proliferation; and negative regulation of cell proliferation involved in contact inhibition. Predicted to be located in several cellular components, including basal part of cell; cell surface; and lamellipodium. Predicted to be part of peptidase complex. Predicted to be active in plasma membrane. Orthologous to human FAP (fibroblast activation protein alpha).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 28.3 kDa Accurate Molecular Mass: 28 kDa
Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	Fap fibroblast activation protein, alpha [<i>Rattus norvegicus</i> (Norway rat)]
Official Symbol	Fap
Synonyms	Fap; fibroblast activation protein, alpha; prolyl endopeptidase FAP; seprase; EC 3.4.14.5; EC 3.4.21.26
Gene ID	192203
mRNA Refseq	NM_138850
Protein Refseq	NP_620205
UniProt ID	Q8R492

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