

Recombinant Chicken FAP Protein, K30-E759, N-His tagged

Cat. No. FAP-4123C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Chicken FAP protein (K30-E759) with N-His tag was expressed in HEK293.
Species	Chicken
Source	HEK293
ProteinLength	K30-E759
Description	The protein encoded by this gene is a homodimeric integral membrane gelatinase belonging to the serine protease family. It is selectively expressed in reactive stromal fibroblasts of epithelial cancers, granulation tissue of healing wounds, and malignant cells of bone and soft tissue sarcomas. This protein is thought to be involved in the control of fibroblast growth or epithelial-mesenchymal interactions during development, tissue repair, and epithelial carcinogenesis. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.
Molecular Mass	85 kDa
AA Sequence	HHHHHHHHKVVTTVDGPRALTLDDYLNGNFQYKTYFPYWVSDSEYLHQNQEDDIIL FNVDMNYLTTIMTNSTMKQVNASNYVMSSDKYFIALESNYSKLWRYSYTASYHIYDLI YGGFVTENQLPHKIQYISWSPVGHKLAYVYQNNIYLKQSPREAPIKLTSDGKENEIFN GIPDWVYEEEMLATKYALWWSPSGKYLAYVQFNDSDIPVIEYSYFGEDQYPRKIIIPY PKAGAKNPTVKVFIVDTTNEAFGPKEVPVPAVIASSDHYFTWLTWVTDSRVGVQWL KRIQNFSVLAICDFKENSNTWDCPENQQHIEESQTGWAGGFFVSAPYFTSDGSSYY

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KIFSDKNGYKHIHYINGSVENAIQITSGEWEAIYIFRVTNDAIFYSSNEFEGYPGRRNIY
KISIGSKPIRKLCITCNLRKERCQYYTARFSERSKYYALICYGPGIISTLFENESDREL
RILEDNQELQSALQEILPKEEINKLEVDGITLWYKMLIPPQFDRSKKYPLLIQVYGGPC
SQNVKHTFSISWITYLASKEGIIVALVDGRGTAYQGDKILHAVYRRLGVYEVEDQISAV
KKFIEMGFIDEKRIAIWGSYGGYVTSALGSGSGVFKCGIAVAPVSSWEYYASIYTE
RFMGLPVESDNLEHYKNSTVMARAKNFQNVEYLLIHGTADDNVHFQNSAQIAKALV
NAQVDFQAMWYTDQNHGIPGLSSKHLHYTHMTHFLKQCFSLSE

Endotoxin < 1 EU/μg by LAL

Purity > 95% by SDS-PAGE

Storage Store it under sterile conditions at -20 to -80 centigade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Concentration 0.38 mg/mL by BCA

Storage Buffer Sterile PBS, pH7.4

GENE INFORMATION

Gene Name FAP fibroblast activation protein alpha [Gallus gallus (chicken)]

Official Symbol FAP

Synonyms FAP; fibroblast activation protein alpha; prolyl endopeptidase FAP; EC 3.4.14.5; EC 3.4.21.26

Gene ID 424186

mRNA Refseq NM_001193639

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Protein Refseq NP_001180568

UniProt ID A0A8V0ZGU9

Reducing 12% SDS-PAGE (CBB stained) and WB (Anti-His Mouse Monoclonal antibody) analysis profiles of purified FAP.

1. FAP
2. BSA

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