

Product datasheet for **SC337339**

Fibroblast activation protein, alpha (FAP) (NM_001291807) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fibroblast activation protein, alpha (FAP) (NM_001291807) Human Untagged Clone
Tag:	Tag Free
Symbol:	Fibroblast activation protein, alpha
Synonyms:	DPPIV; FAPA; FAPalpha; SIMP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001291807, the custom clone sequence may differ by one or more nucleotides

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ATGAAGACTTGGGTA AAAATCGTATTTGGAGTTGCCACCTCTGCTGTGCTTGCCTTATTGGTGATGTGCA
TTGTCTTACGCCCTTCAAGAGTTCATAACTCTGAAGAAAATACAATGAGAGCACTCACACTGAAGGATAT
TTTAAATGGAACATTTTCTTATAAAACATTTTTCCAACTGGATTTCCAGGACAAGAATATCTTCATCAA
TCTGCAGATAACAATATAGTACTTTATAATATTGAAACAGGACAATCATATACCATTTTGGTAATAGAA
CCATGCTTTGGAGATACTTTACACAGCAACATATTACATCTATGACCTTAGCAATGGAGAATTTGTAAG
AGGAAATGAGCTTCTCGTCCAATTCAGTATTTATGCTGGTGCCTGTTGGGAGTAAATTAGCATATGTC
TATCAAAACAATATCTATTTGAAACAAAGACCAGGAGATCCACCTTTTCAAATAACATTTAATGGAAGAG
AAAATAAAATATTTAATGGAATCCAGACTGGGTTTATGAAGAGGAAATGCTTGTACAAAATATGCTCT
CTGGTGGTCTCCTAATGGAAAATTTTGGCATATGCGGAATTTAATGATACGGATATACCAGTTATTGCC
TATTCCTATTATGGCGATGAACAATATCCTAGAACAATAAATATCCATACCCAAAGGCTGGAGCTAAGA
ATCCCCTTGTTCGGATATTTATTATCGATACCCTTACCCTGCGTATGTAGGTCCCAGGAAGTGCCTGT
TCCAGCAATGATAGCCTCAAGTGATTATTTTCAAGTTGGCTCAGTGGGTTACTGATGAACGAGTATGT
TTGCAAGTGGCTAAAAGAGTCCAGAATGTTTCGGTCTGTCTATATGTGACTTCAGGGAAGACTGGCAGA
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GAAAGGTGCCAATATTACACAGCAAGTTTCAGCGACTACGCCAAGTACTATGCATTTGCTGCTACGGCC
CAGGCATCCCCTTTCCACCCTTATGATGGACGCACTGATCAAGAAATTTAAATCCTGGAAGAAAACAA
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TATGCAGTGTATCGAAAGCTGGGTGTTTATGAAGTTGAAGACCAGATTACAGCTGTCAGAAAATTCATAG
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GGCCCTTGCACTGGAAGTGGTCTTTTCAAATGTGGTATAGCAGTGGCTCCAGTCTCCAGCTGGGAATAT
TAGCGCTCTGTCTACACAGAGAGATTATGGGTCTCCCAACAAAGGATGATAATCTTGAGCACTATAAGA
ATTCAACTGTGATGGCAAGAGCAGAATATTTGAGAAATGTAGACTATCTTCTCATCCACGGAACAGCAGA
TGATAATGTGCACTTTCAAACCTCAGCAGAGATTGCTAAAGCTCTGGTAAATGCACAAGTGGATTCCAG
GCAATGTGGTACTCTGACCAGAACCACGGCTTATCCGGCCTGTCCACGAACCACTTATACCCACATGA
CCCCTTCTAAAGCAGTGTCTTCTTTGTCAGACTAA
    
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Restriction Sites: Sgfl-RsrII

ACCN: NM_001291807

Insert Size: 2208 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_001291807.1</u> , <u>NP_001278736.1</u>
RefSeq Size:	2740 bp
RefSeq ORF:	2208 bp
Locus ID:	2191
UniProt ID:	<u>Q12884</u>
Cytogenetics:	2q24.2
Protein Families:	Druggable Genome, Protease, Transmembrane
Gene Summary:	<p>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. [provided by RefSeq, Apr 2014]</p> <p>Transcript Variant: This variant (2) lacks alternate in-frame exon in the 5' coding region, compared to variant 1. The resulting isoform (2) is shorter than isoform 1.</p>