

Recombinant Full Length Human FES Protein, GST-tagged

Cat. No. FES-4793HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human FES full-length ORF (AAH35357, 1 a.a. - 822 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
Protein Length	822 amino acids
Description	This gene encodes the human cellular counterpart of a feline sarcoma retrovirus protein with transforming capabilities. The gene product has tyrosine-specific protein kinase activity and that activity is required for maintenance of cellular transformation. Its chromosomal location has linked it to a specific translocation event identified in patients with acute promyelocytic leukemia but it is also involved in normal hematopoiesis as well as growth factor and cytokine receptor signaling. Alternative splicing results in multiple variants encoding different isoforms
Molecular Mass	116.16 kDa
AA Sequence	MGFSSEL CSPQGHGVLQQMQEAE LRLLEGMRKWMAQRVKSDREYAGLLHHMSLQ DSGGQSRAISPDSPISQSWAEITSQTEGLSRLLRQHAEDLNSGPLSKLSLLIRERQQL RKTYSEQWQQLQQELTKTHSQDIEKLKSQYRALARDSAQAKRKYQEASKDKDRDK AKDKYVRSLWKLFAHNNRYVLGVRAAQLHHQHHLQLLLPGLLRSLQDLHEEMACIL KEILQEYLEISSLVQDEVVAIHREMAAAAARIQPEAEYQGFLRQYGSAPDVPPCVTFD ESLLEEGEPLEPGELQLNELTVESVQHTLTSVTDELAVATEMVFRRQEMVTQLQQEL

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RNEEENTHPRERVQLLGKRQVLQEALQGLQVALCSQAKLQAQQELLQTKLEHLGP
 GEPPPVLLLQDDRHSTSSSEQEREGGRTPTLEILKSHISGIFRPKFSLPPPLQLIPEVQ
 KPLHEQLWYHGAIPRAEVAELLVHSGDFLVRESQGGKQEYVLSVLWDGLPRHFIIQSL
 DNLYRLEGEFSPISPLLDHLLSTQQPLTKKSGVVLHRAVPKDKWVLNHEDLVLGEQI
 GRGNFGEVFSGRLRADNTLVAVKSCRETLPPDLKAKFLQEARILKQYSHPNIVRLIGV
 CTQKQPIYVMELVQGGDFLTFLRTEGARLRVKTLLQMVGDAAAGMEYLESKCCIIHR
 DLAARNCLVTEKNVLKISDFGMSREEADGVYAASGGLRQVPVKWTAPEALNYGRYS
 SESDVWSFGILLWETFSLGASPYPNLSNQQTREFVEKGGRLPCPELCPDAVFRLEME
 QCWAYEPGQRPSFSTIYQELQSIRKRHR

Applications

- Kinase Assay
- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Notes Best use within three months from the date of receipt of this protein.

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name [FES feline sarcoma oncogene \[Homo sapiens \]](#)

Official Symbol [FES](#)

Synonyms FES; feline sarcoma oncogene; feline sarcoma (Snyder Theilen) viral (v fes)/Fujinami avian sarcoma (PRCII) viral (v fps) oncogene homolog; tyrosine-protein kinase Fes/Fps; c fes/fps protein; FPS; Oncogene FES; feline sarcoma virus; p93c-fes;

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proto-oncogene c-Fes; proto-oncogene c-Fps; Oncogene FES, feline sarcoma virus; proto-oncogene tyrosine-protein kinase Fes/Fps; feline sarcoma/Fujinami avian sarcoma oncogene homolog; feline sarcoma (Snyder-Theilen) viral (v-fes)/Fujinami avian sarcoma (PRCII) viral (v-fps) oncogene homolog;

Gene ID [2242](#)

mRNA Refseq [NM_001143783](#)

Protein Refseq [NP_001137255](#)

MIM [190030](#)

UniProt ID [P07332](#)

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