

Datasheet for ABIN7553929
FES Protein (AA 1-822) (His tag)



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Overview

Quantity:	1 mg
Target:	FES
Protein Characteristics:	AA 1-822
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This FES protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat FES Protein expressed in mammalian cells.
Sequence:	<p>MGFSSEL CSP QGHGVLQQMQ EAELRLLEG M RKWMAQRVKS DREYAGLLHH MSLQDSGGQS</p> <p>RAISPDSPIS QSWAEITSQT EGLSRLLRQH AEDLNSGPLS KLSLLIRERQ QLRKTYSEQW</p> <p>QQLQQELTKT HSQDIEKLKS QYRALARDSA QAKRKYQEAS KDKDRDKAKD KYVRSLWKLF</p> <p>AHHNRYVLGV RAAQLHHQHH HQLLLPGLLR SLQDLHEEMA CILKEILQEY LEISLVQDE</p> <p>VVAIHREMAA AAARIQPEAE YQGFLRQYGS APDVPPCVTF DESLLEEGERP LEPGELQLNE</p> <p>LTVESVQHTL TSVTDELAVA TEMVFRRQEM VTQLQQELRN EEENTHPRER VQLLGKRQVL</p> <p>QEALQGLQVA LCSQAKLQAQ QELLQTKLEH LGPGEP PPVL LLQDDRHS TS SSEQEREGR</p> <p>TPTLEILKSH ISGIFRPKFS LPPPLQLIPE VQKPLHEQLW YHGAIPRAEV AELLVHSGDF</p> <p>LVRESQGKQE YVLSVLWDGL PRHFIIQSLD NLYRLEGEGF PSIPLLIDHL LSTQQPLTKK</p> <p>SGVVLHRAVP KDKWVLNHD LVLGEQIGRG NFGEVFSGRL RADNTLVAVK SCRETLPPDL</p> <p>KAKFLQEAR I LKQYSHPNIV RLIGVCTQKQ PIYIVMELVQ GGDFTLFLRT EGARLRVKTL</p>

LQMVGDAAAG MEYLESKCCI HRDLAARNCL VTEKNVLKIS DFGMSREEAD GVYAASGGLR
QVPVKWTAPE ALNYGRYSSE SDVWSFGILL WETFSLGASP YPNLSNQQTR EFVEKGGRLP
CPELCPDAVF RLMEQCWAYE PGQRPSFSTI YQELQSIRKR HR **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**

Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none">• Made to order protein - from design to production - by highly experienced protein experts.• Protein expressed in mammalian cells and purified in one-step affinity chromatography• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.• State-of-the-art algorithm used for plasmid design (Gene synthesis). <p>This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.</p>
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Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
Grade:	custom-made

Target Details

Target:	FES
Alternative Name:	FES (FES Products)
Background:	<p>Tyrosine-protein kinase Fes/Fps (EC 2.7.10.2) (Feline sarcoma/Fujinami avian sarcoma oncogene homolog) (Proto-oncogene c-Fes) (Proto-oncogene c-Fps) (p93c-fes),FUNCTION: Tyrosine-protein kinase that acts downstream of cell surface receptors and plays a role in the regulation of the actin cytoskeleton, microtubule assembly, cell attachment and cell spreading. Plays a role in FCER1 (high affinity immunoglobulin epsilon receptor)-mediated signaling in mast cells. Acts down-stream of the activated FCER1 receptor and the mast/stem cell growth factor receptor KIT. Plays a role in the regulation of mast cell degranulation. Plays a role in the</p>

Target Details

regulation of cell differentiation and promotes neurite outgrowth in response to NGF signaling. Plays a role in cell scattering and cell migration in response to HGF-induced activation of EZR. Phosphorylates BCR and down-regulates BCR kinase activity. Phosphorylates HCLS1/HS1, PECAM1, STAT3 and TRIM28. {ECO:0000269|PubMed:11509660, ECO:0000269|PubMed:15302586, ECO:0000269|PubMed:15485904, ECO:0000269|PubMed:16455651, ECO:0000269|PubMed:17595334, ECO:0000269|PubMed:18046454, ECO:0000269|PubMed:19001085, ECO:0000269|PubMed:19051325, ECO:0000269|PubMed:20111072, ECO:0000269|PubMed:2656706, ECO:0000269|PubMed:8955135}.

Molecular Weight: 93.5 kDa

UniProt: [P07332](#)

Pathways: [Regulation of Leukocyte Mediated Immunity](#), [Positive Regulation of Immune Effector Process](#), [Signaling Events mediated by VEGFR1 and VEGFR2](#)

Application Details

Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months