

Datasheet for ABIN3133129
FES Protein (AA 1-822) (Strep Tag)



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Overview

Quantity:	250 µg
Target:	FES
Protein Characteristics:	AA 1-822
Origin:	Mouse
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This FES protein is labelled with Strep Tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS), ELISA

Product Details

Brand:	AliCE®
Sequence:	<p>MGFSSEL CSP QGHGAVQQMQ EAE LRLLEG M RKWMAQRVKS DREYAGLLHH MSLQDSGGQS</p> <p>WSSGPDSPVS QSWAEITSQT ENLSRVL RQH AEDLNSG PLS KLSVLIRERQ HLRKTYNEQW</p> <p>QQLQQELTKT HSQDIEKLKT QYRTLVRDST QARRKYQEAS KDKDRDKAKD KYVRSLWKLF</p> <p>AHHNRYVLGV RAAQLHHHHH HRFMLPGLLQ SLQDLHEEMA GILKDILQEY LEISLVQDD</p> <p>VASIHRELAA AAARIQPEFE YLGFLRQYGS TPDVPPCVTF DESLLEDGEQ LEPGELQLNE</p> <p>LTLESVQHTL TSVTDELAVA TKEVLSRQEM VSQLQRELQS EEQNTHPRER VQLLSKRQML</p> <p>QEAIQGLQIA LCSQDKLQAQ QELLQSKMEQ LGTGEPPAVP LLQDDRHS TS STEQEREGR</p> <p>TPTLEILKSH FSGIFRPKFS IPPPLQLVPE VQKPLYEQLW YHGAIPRAEV AELLTHSGDF</p> <p>LVRESQGKQE YVLSVMWDGQ PRHFIIQSSD NLYRLEGDGF PSIPLLITHL LSSQQPLTKK</p> <p>SGVVLFRVAVP KDKWVLKHED LVLGEQIGRG NFGEVFSGRL RADNTPVAVK SCRETLPPDL</p> <p>KAKFLQEAR I LKQYNHPNIV RLIGVCTQKQ PIYIVMELVQ GGDFTLFLRT EGARLRVKTL</p>

LQMVGDAAAG MEYLESKCCI HRDLAARNCL VTEKNVLKIS DFGMSREEAD GIYAASAGLR
QVPVKWTAPE ALNYGRYSSE SDVWSFGILL WETFSLGASP YPNLTNQQTR EFVEKGHRLP
CPELCPDAVF RLMEQCWAYE PGQRPSFSII CQELHSIRKR HR

Sequence without tag. The proposed Strep-Tag is based on experience s 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:

Key Benefits:

- Made in Germany - from design to production - by highly experienced protein experts.
- Protein expressed with ALiCE® and purified in one-step affinity chromatography
- These proteins are normally active (enzymatically functional) as our customers have reported (not tested by us and not guaranteed).
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

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.

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.

Expression System:

- ALiCE®, our Almost Living Cell-Free Expression System is based on a lysate obtained from *Nicotiana tabacum* c.v.. This contains all the protein expression machinery needed to produce even the most difficult-to-express proteins, including those that require post-translational modifications.
- During lysate production, the cell wall and other cellular components that are not required for protein production are removed, leaving only the protein production machinery and the mitochondria to drive the reaction. During our lysate completion steps, the additional components needed for protein production (amino acids, cofactors, etc.) are added to produce something that functions like a cell, but without the constraints of a living system - all that's needed is the DNA that codes for the desired protein!

Concentration:

- The concentration of our recombinant proteins is measured using the absorbance at 280nm.
- The protein's absorbance will be measured against its specific reference buffer.
- We use the Expasy's ProtParam tool to determine the absorption coefficient of each protein.

Purification:

One-step Strep-tag purification of proteins expressed in Almost Living Cell-Free Expression

Product Details

System (ALiCE®).

Purity: > 70-80 % as determined by SDS PAGE, Western Blot and analytical SEC (HPLC).

Grade: custom-made

Target Details

Target: FES

Alternative Name: Fes ([FES Products](#))

Background: Tyrosine-protein kinase Fes/Fps (EC 2.7.10.2) (Proto-oncogene c-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 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:16731527, ECO:0000269|PubMed:17595334, ECO:0000269|PubMed:19892014}.

Molecular Weight: 93.8 kDa

UniProt: [P16879](#)

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.

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Application Details

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Restrictions: For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer. Standard Storage Buffer: PBS pH 7.4, 10 % Glycerol Might differ depending on protein.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months