Datasheet for ABIN7553945

FER Protein (AA 1-822) (His tag)

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Overview

Quantity:	1 mg
Target:	FER
Protein Characteristics:	AA 1-822
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This FER protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant FER Protein expressed in mammalian cells.
Sequence:	MGFGSDLKNS HEAVLKLQDW ELRLLETVKK FMALRIKSDK EYASTLQNLC NQVDKESTVQ MNYVSNVSKS WLLMIQQTEQ LSRIMKTHAE DLNSGPLHRL TMMIKDKQQV KKSYIGVHQQ IEAEMIKVTK TELEKLKCSY RQLIKEMNSA KEKYKEALAK GKETEKAKER YDKATMKLHM LHNQYVLALK GAQLHQNQYY DITLPLLLDS LQKMQEEMIK ALKGIFDEYS QITSLVTEEI VNVHKEIQMS VEQIDPSTEY NNFIDVHRTT AAKEQEIEFD TSLLEENENL QANEIMWNNL TAESLQVMLK TLAEELMQTQ QMLLNKEEAV LELEKRIEES SETCEKKSDI VLLLSQKQAL EELKQSVQQL RCTEAKFSAQ KELLEQKVQE NDGKEPPPVV NYEEDARSVT SMERKERLSK FESIRHSIAG IIRSPKSALG SSALSDMISI SEKPLAEQDW YHGAIPRIEA QELLKKQGDF LVRESHGKPG EYVLSVYSDG QRRHFIIQYV DNMYRFEGTG FSNIPQLIDH HYTTKQVITK KSGVVLLNPI PKDKKWILSH EDVILGELLG KGNFGEVYKG TLKDKTSVAV KTCKEDLPQE LKIKFLQEAK ILKQYDHPNI VKLIGVCTQR QPVYIIMELV SGGDFLTFLR RKKDELKLKQ LVKFSLDAAA GMLYLESKNC IHRDLAARNC LVGENNVLKI SDFGMSRQED GGVYSSSGLK

Product Details

	QIPIKWTAPE ALNYGRYSSE SDVWSFGILL WETFSLGVCP YPGMTNQQAR EQVERGYRMS APQHCPEDIS KIMMKCWDYK PENRPKFSEL QKELTIIKRK LT **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.**
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	Key Benefits: • 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). 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. If you are not interested in a full length protein, please contact us for individual protein fragments. 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.
Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	FER
Alternative Name:	FER (FER Products)
Background:	Tyrosine-protein kinase Fer (EC 2.7.10.2) (Feline encephalitis virus-related kinase FER) (Fujinami poultry sarcoma/Feline sarcoma-related protein Fer) (Proto-oncogene c-Fer) (Tyrosine kinase 3) (p94-Fer),FUNCTION: Tyrosine-protein kinase that acts downstream of cell surface receptors for growth factors and plays a role in the regulation of the actin cytoskeleton, microtubule assembly, lamellipodia formation, cell adhesion, cell migration and chemotaxis. Acts downstream of EGFR, KIT, PDGFRA and PDGFRB. Acts downstream of EGFR to promote

Target Details

	activation of NF-kappa-B and cell proliferation. May play a role in the regulation of the mitotic cell cycle. Plays a role in the insulin receptor signaling pathway and in activation of phosphatidylinositol 3-kinase. Acts downstream of the activated FCER1 receptor and plays a role in FCER1 (high affinity immunoglobulin epsilon receptor)-mediated signaling in mast cells. Plays a role in the regulation of mast cell degranulation. Plays a role in leukocyte recruitment and diapedesis in response to bacterial lipopolysaccharide (LPS). Plays a role in synapse organization, trafficking of synaptic vesicles, the generation of excitatory postsynaptic currents and neuron-neuron synaptic transmission. Plays a role in neuronal cell death after brain damage. Phosphorylates CTTN, CTNND1, PTK2/FAK1, GAB1, PECAM1 and PTPN11. May phosphorylate JUP and PTPN1. Can phosphorylate STAT3, but the biological relevance of this depends on cell type and stimulus. {ECO:0000269|PubMed:12972546, ECO:0000269|PubMed:14517306, ECO:0000269|PubMed:19147545, ECO:0000269|PubMed:19339212, ECO:0000269|PubMed:19738202, ECO:0000269|PubMed:20111072, ECO:0000269|PubMed:21518868, ECO:0000269|PubMed:22223638, ECO:0000269|PubMed:7623846, ECO:0000269|PubMed:9722593}.
Molecular Weight:	94.6 kDa
UniProt:	P16591

Application Details

Application Notes:	We expect the protein to work for functional studies. 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