

Recombinant Human FER, GST-His

Cat. No. FER-2706H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human FER Amino acids M541-T822, N-terminally fused to GST-His6-Thrombin cleavage site. It is expressed in Baculovirus infected <i>Sf9</i> cells.
Species	Human
Source	Sf9 Cells
ProteinLength	541-822 a.a.
Description	Proto-oncogene tyrosine-protein kinase FER is an enzyme that in humans is encoded by the FER gene. Fer protein is a member of the FPS/FES family of nontransmembrane receptor tyrosine kinases. It regulates cell-cell adhesion and mediates signaling from the cell surface to the cytoskeleton via growth factor receptors.
Product Identity	FER was confirmed as FER by mass spectroscopy LC-ESI-MS/MS.
Purification	GST-Affinity Chromatography.
MW	61.733 Da.
Storage Buffer	50 mM Tris-HCl, pH 8.0; 100 mM NaCl, 5 mM DTT, 4 mM reduced glutathione, 20% glycerol.
Concentration	0.183 µg/µl.

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Specific Activity 298 pmol/μg×min.

Storage -80°C. Avoid repeated freeze-thaw cycles!

GENE INFORMATION

Gene Name FER fer (fps/fes related) tyrosine kinase [Homo sapiens]

Synonyms FER; fer (fps/fes related) tyrosine kinase; p94-Fer; phosphoprotein NCP94; proto-oncogene c-Fer; tyrosine kinase 3; tyrosine-protein kinase Fer; TYK3; EC 2.7.10.2

Gene ID 2241

mRNA Refseq NM_005246

Protein Refseq NP_005237

MIM 176942

UniProt ID P16591

Chromosome Location 5q21

Pathway Adherens junction

Function ATP binding; Rab GTPase binding; gamma-catenin binding; non-membrane spanning protein tyrosine kinase activity; protein kinase binding; protein tyrosine kinase activity; transferase activity

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