FRK Blocking Peptide

PRODUCT OVERVIEW

Product Name	FRK, Blocking Peptide
Full Product Name	FRK Peptide
Product Gene Name	FRK blocking peptide
Product Synonym Gene Name	GTK; PTK5; RAK
Form/Format	Lyophilized powder
Preparation and Storage	Add 100ul of sterile PBS. Final peptide concentration is 1 mg/ml in PBS. For longer periods of storage, store at -20 degree C. Avoid repeat freeze-thaw cycles.
Antibody/Peptide Pairs	FRK peptide (MBS3236715) is used for blocking the activity of FRK antibody (MBS3211767)
Molecular Weight	58kDa
OMIM	606573
Product Categories/Family for FRK blocking peptide	Peptide
Applications Tested/Suitable for FRK blocking peptide	Western Blot (WB)
Related Product Information for FRK blocking peptide	This is a synthetic peptide designed for use in combination with anti-FRK antibody made Target Description: FRK belongs to the TYR family of protein kinases. This tyrosine kinase is a nuclear protein and may function during G1 and S phase of the cell cycle and suppress growth.The protein encoded by this gene belongs to the TYR family of protein kinases. This tyrosine kinase is a nuclear protein and may function during G1 and S phase of the cell cycle and suppress growth.
Other Notes	Small volumes of FRK blocking peptide vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for FRK purchase	MBS3236715 is a blocking peptide targeting FRK. Also known as FRK Peptide.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for FRK. It may not necessarily be applicable to this product.

NCBI GI #	4503787
NCBI GeneID	2444
NCBI Accession #	NP_002022
UniProt Primary Accession #	P42685
UniProt Related Accession #	P42685
GenBank Nucleotide #	NM_002031
NCBI Official Full Name	tyrosine-protein kinase FRK
NCBI Official Synonym Full Names	fyn related Src family tyrosine kinase
NCBI Official Symbol	FRK

NCBI Official Synonym Symbols	GTK; RAK; PTK5
UniProt Protein Name	Tyrosine-protein kinase FRK
UniProt Synonym Protein Names	FYN-related kinase; Nuclear tyrosine protein kinase RAK; Protein-tyrosine kinase 5
Protein Family	Tyrosine-protein kinase
UniProt Gene Name	FRK
UniProt Synonym Gene Names	PTK5; RAK
UniProt Entry Name	FRK_HUMAN
NCBI Protein Information	tyrosine-protein kinase FRK
NCBI Summary for FRK	The protein encoded by this gene belongs to the TYR family of protein kinases. This tyrosine kinase is a nuclear protein and may function during G1 and S phase of the cell cycle and suppress growth. [provided by RefSeq, Jul 2008]
UniProt Comments for FRK	FRK: a tyrosine kinase of the Src family. Expressed in cell lines derived from tissues of lymphoid, brain, breast, colon and bladder origin. A nuclear protein that may function during G1 and S phase of the cell cycle to suppress growth. Protein type: Protein kinase, TK; EC 2.7.10.2; Tumor suppressor; Kinase, protein; Protein kinase, tyrosine (non-receptor); TK group; Src family Chromosomal Location of Human Ortholog: 6q21-q22.3 Cellular Component: extrinsic to internal side of plasma membrane; cytoplasm; intracellular; nucleus Molecular Function: protein binding; non-membrane spanning protein tyrosine kinase activity; ATP binding; receptor binding Biological Process: negative regulation of cell proliferation; cell migration; innate immune response; cell differentiation; actin cytoskeleton organization and biogenesis; protein amino acid phosphorylation; transmembrane receptor protein tyrosine kinase signaling pathway; regulation of cell proliferation
Research Articles on FRK	**1.** On title.
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