

Active Recombinant Human FGR, GST-tagged

Cat. No. FGR-1406H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full-length human FGR was expressed by baculovirus in Sf9 insect cells using a N-terminal GST tag.
Species	Human
Source	Sf9 Cells
ProteinLength	Full length
Description	FGR is a protooncogene that is a unique member of the tyrosine kinase gene family. Certain lymphomas (but not sarcomas or carcinomas) express FGR-related messenger RNA. This transcript is detected in Burkitts lymphoma cell lines naturally infected with Epstein-Barr virus (EBV), but not in EBV-negative Burkitts lymphoma cells. FGR expression is limited to normal peripheral blood granulocytes, monocytes, and alveolar macrophages, all of which contain 50 to 100 copies of c-fgr mRNA per cell.
Form	Recombinant protein stored in 50mM Tris-HCl, pH 7.5, 150mM NaCl, 0.25mM DTT, 0.1mM EGTA, 0.1mM EDTA, 0.1mM PMSF, 25% glycerol.
Bio-activity	289 nmol/min/mg
Molecular Mass	~86kDa
Purity	>95%

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Applications	Kinase Assay, Western Blot
Storage	Store at –70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. Avoid freeze/thaw cycles.
Concentration	0.1µg/µl
GENE INFORMATION	
Gene Name	FGR Gardner-Rasheed feline sarcoma viral (v-fgr) oncogene homolog [Homo sapiens]
Official Symbol	FGR
Synonyms	FGR; Gardner-Rasheed feline sarcoma viral (v-fgr) oncogene homolog; SRC2; tyrosine-protein kinase Fgr; c fgr; p55c fgr; p55-c-fgr protein; c-fgr protooncogene; proto-oncogene c-Fgr; c-src-2 proto-oncogene; proto-oncogene tyrosine-protein kinase FGR; c-fgr; c-src2; p55-Fgr; p58-Fgr; p55c-fgr; p58c-fgr; FLJ43153; MGC75096;
Gene ID	2268
mRNA Refseq	NM_001042729
Protein Refseq	NP_001036194
MIM	164940
UniProt ID	P09769
Chromosome	1p36.2-p36.1

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Location	
Pathway	Alpha-synuclein signaling, organism-specific biosystem; CXCR4-mediated signaling events, organism-specific biosystem; Chemokine signaling pathway, organism-specific biosystem; Chemokine signaling pathway, conserved biosystem; Class I PI3K signaling events, organism-specific biosystem; EPHA forward signaling, organism-specific biosystem; Ephrin B reverse signaling, organism-specific biosystem;
Function	ATP binding; Fc-gamma receptor I complex binding; immunoglobulin receptor binding; immunoglobulin receptor binding; non-membrane spanning protein tyrosine kinase activity; non-membrane spanning protein tyrosine kinase activity; nucleotide binding; phosphotyrosine binding; phosphotyrosine binding; protein kinase binding; protein kinase binding; protein tyrosine kinase activity;