

Recombinant Full Length Human FGR Protein, GST-tagged

Cat. No. FGR-4948HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human FGR full-length ORF (NP_005239.1, 1 a.a. - 529 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	529 amino acids
Description	This gene is a member of the Src family of protein tyrosine kinases (PTKs). The encoded protein contains N-terminal sites for myristylation and palmitoylation, a PTK domain, and SH2 and SH3 domains which are involved in mediating protein-protein interactions with phosphotyrosine-containing and proline-rich motifs, respectively. The protein localizes to plasma membrane ruffles, and functions as a negative regulator of cell migration and adhesion triggered by the beta-2 integrin signal transduction pathway. Infection with Epstein-Barr virus results in the overexpression of this gene. Multiple alternatively spliced variants, encoding the same protein, have been identified. [provided by RefSeq]
Molecular Mass	85.9 kDa
AA Sequence	MGCVFCKKLEPVATAKEDAGLEGDFRSYGAADHYGPDPTKARPASSFAHIPNYSNF SSQAINPGFLDSGTIRGVSGIGVTLFIALYDYEARTEDDLTFKGEKFHILNNTGEDW WEARSLSSGKTGCIPSNYVAPVDSIQAEWYFGKIGRKDAERQLLSPGNPQGAFLIR ESETTKGAYSLSIRDWDQTRGDHVKHVKIRKLDMGYYITTRVQFNSVQELVQHVM

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

EVNDGLCNLLIAPCTIMKPQTLGLAKDAWEISRSSITLERRLGTGCFGDVWLGTWNG
STKVAVKTLKPGTMSPKAFLEEAQVMKLLRHDKLVQLYAVVSEEPYIVTEFMCHGSL
LDFLKNPEGQDLRLPQLVDMAAQVAEGMAYMERMNYYHRDLRAANILVGERLACKIA
DFGLARLIKDDDEYNPCQGSKFPIKWTAPAAALFGRFTIKSDVWSFGILLTELITKGRIP
YPGMNKREVLEQVEQGYHMPCPPGCPASLYEAMEQTWRLDPEERPTFEYLQSFLE
DYFTSAEPQYQPGDQT

Applications

Enzyme-linked Immunoabsorbent Assay
Western Blot (Recombinant protein)
Antibody Production
Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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;

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Gene ID	2268
mRNA Refseq	NM_001042729
Protein Refseq	NP_001036194
MIM	164940
UniProt ID	P09769

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