

Product datasheet for PH314458

FGR (NM_005248) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	FGR MS Standard C13 and N15-labeled recombinant protein (NP_005239)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC214458
Predicted MW:	59.3 kDa
Protein Sequence:	>RC214458 representing NM_005248 Red =Cloning site Green =Tags(s) MGCVFCKKLEPVATAKEDAGLEGDFRSYGAADHYGPDPTKARPASSFAHIPNYSNFSSQAINPGFLDSGT IRGVSGIGVTLFIALYDYEARTEDDLFTFKGEKFHILNTEGDWWEARLSGKTCIPSNYYAPVDSIQ AEEWYFGKIGRKDAERQLLSPGNPQGAFIIRESETTKGAYSLSIRDWDQTRGDHVKHYKIRKLDMGYYI TTRVQFNSVQELVQHMEVNDGLCNLLIAPCTIMKPQTLGLAKDAWEISRSSITLERRLTGCGFDVWLG TWNSTKVAVKTLKPGTMSPKAFLEEAQVMKLLRHDKL VQLYAVVSEEPYIVTEFMCHGSLDLFLKNPE GQDLRLPQLVDMAAQVAEGMAYMERMNYIHRDLRAANILVGERLACKIADFGARLIKDDEYNPCQGSKF PIKWTAPEAALFGRFTIKSDVWSFGILLTELITKGRIPYPMNKREVLEQVEQGYHMPGCPASLYEA MEQTWRLDPEERPTFEYLSFLEDYFTSAEPYQPGDQT TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_005239
RefSeq Size:	2354
RefSeq ORF:	1587



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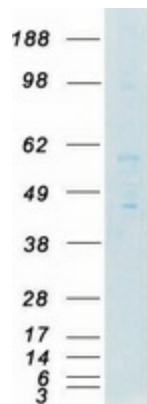
Synonyms: c-fgr; c-src2; p55-Fgr; p55c-fgr; p58-Fgr; p58c-fgr; SRC2
Locus ID: 2268
UniProt ID: [P09769](#)
Cytogenetics: 1p35.3

Summary: This gene is a member of the Src family of protein tyrosine kinases (PTKs). The encoded protein contains N-terminal sites for myristylation and palmitylation, 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, Jul 2008]

Protein Families: Druggable Genome, Protein Kinase

Protein Pathways: Chemokine signaling pathway

Product images:



Coomassie blue staining of purified FGR protein (Cat# [TP314458]). The protein was produced from HEK293T cells transfected with FGR cDNA clone (Cat# [RC214458]) using MegaTran 2.0 (Cat# [TT210002]).