

Product: FGR, active
Catalog #: 02-2019
Amount: 5 µg

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 Burkitt's lymphoma cell lines naturally infected with Epstein-Barr virus (EBV), but not in EBV-negative Burkitt's lymphoma cells (1). 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 (2)
The gene accession number is **NM 005248**
Gene Aliases: SRC2; c-fgr; p55c-fgr

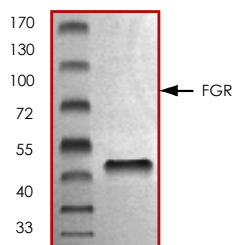
SOURCE: Recombinant full-length human FGR was expressed by baculovirus in Sf9 insect cells using a N-terminal GST tag

MOLECULAR WEIGHT: 86 kDa
PURITY: > 95% (by densitometry)
FORM: Purified, in 50mM Tris-HCl, pH 7.5, 150mM NaCl, 0.25mM DTT, 0.1mM EGTA, 0.1mM EDTA, 0.1mM PMSF, 25% glycerol

CONCENTRATION: 0.1 mg/ml
SPECIFIC ACTIVITY: 282 nmol/mim/mg
STORAGE: -70°C (aliquot). AVOID repeated Freeze/thaw cycles

REFERENCE:

1. Cheah, MS. et al: fgr proto-oncogene mRNA induced in B lymphocytes by Epstein-Barr virus infection. Nature. 1986 Jan 16-22;319 (6050):238-40
2. Willman, CL. et al: Differential expression and regulation of the c-src and c-fgr protooncogenes in myelomonocytic cells. Proc Natl Acad Sci U S A. 1987 Jul;84(13):4480-4



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