Recombinant Human FGR/SRC2 Kinase

Catalog No.: RP03381LQ

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Sequence Information

Species
Human

Gene ID
2268

Swiss Prot
P09769

Tags
N-GST

Synonyms
FGR; SRC2; p55-Fgr; p58-Fgr; p58c-Fgr; Tyrosine-protein kinase Fgr

Product Information

Source
Baculovirus-Insect Cells

Purification
≥ 85% as determined by SDS-PAGE;≥ 85% as determined by HPLC.

Calculated MW
86.0 kDa

Observed MW
70-85 kDa

Endotoxin
< 1 EU/μg of the protein by LAL method.

Formulation
Supplied as a 0.22 μm filtered solution in 50 mM Tris-HCl, 150 mM NaCl, 20% glycerol, 5 mM DTT, 0.1 M Trehalose. (pH 7.5). Contact us for customized product form or formulation.

Reconstitution
Please use running water to thaw it quickly.

Background

Gardner-Rasheed feline sarcoma viral (v-fgr) oncogene homolog, also known as FGR, is a protein which in humans is encoded by the FGR gene. This gene is a member of the Src family of protein tyrosine kinases (PTKs). The encoded protein contains N-terminal sites for myristoylation 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.

Basic Information

Description
Recombinant Human FGR/SRC2 Kinase is produced by Baculovirus-Insect Cells expression system. The target protein is expressed with sequence (Gly2-Thr529) of Human FGR (Accession #P09769) fused with a N-GST tag.

Activity
The activity of FGR is based on the MSA technology, and the content and ratio of the substrate and the product are directly separated and detected in real time and dynamically by the different migration rates of the substrate and the product after the enzymatic reaction.

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -70℃

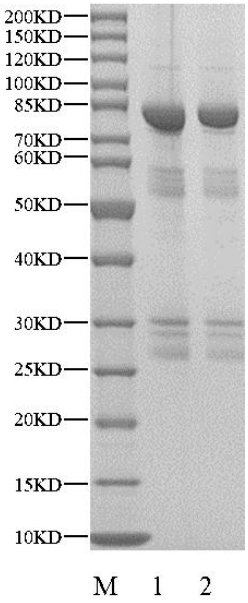
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

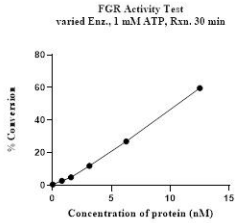
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Validation Data



Recombinant Human FGR/SRC2 Kinase was resolved with SDS-PAGE under reducing (Lane 1) and non-reducing (Lane 2) conditions.



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