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Recombinant Human FGR/SRC2 Kinase

Catalog No.: RP03381LQ Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Human	2268	P09769

Tags
N-GST

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

Product Information

Source	Purification
Baculovirus-Insect Cells	≥ 85% as determined by SDS-PAGE;≥ 85% as determined by HPLC.

Calculated MW	Observed MW
86.0 kDa	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.

Contact

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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.

Bio-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.

Storage
Store at -70°C. This product is stable at ≤ -70°C for up to 1 year from the date of receipt. For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature.
Aliquots below 10 μL are not advisable. Product must not be stored in diluted solutions. Avoid repeated freeze-thaw cycles.
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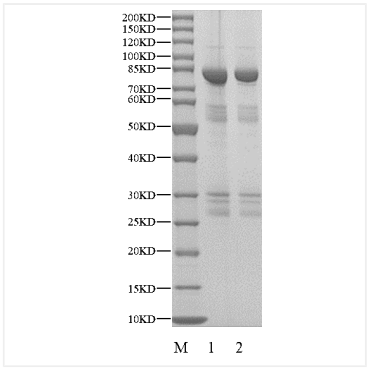
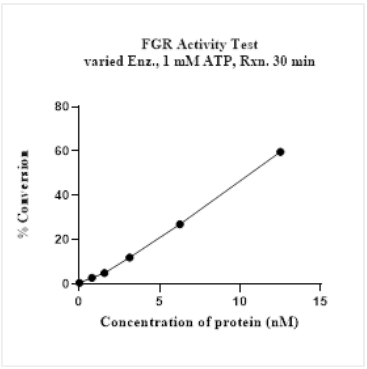
Validation Data



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



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