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Datasheet for 009-001-R96S

FRS3 protein-GST fusion

Overview

Description:	FRS3 recombinant protein-GST fusion protein - 009-001-R96S
Item No.:	009-001-R96S
Size:	20 µg
Origin:	Human
Expressed in:	Sf9 cells

Product Details

Background:	FRS3 or fibroblast growth factor receptor substrate 3 is a peripheral plasma membrane protein that is a substrate for the fibroblast growth factor receptor. During FGF or NGF stimulation, FRS3 becomes tyrosine phosphorylated and then serves as a platform for the recruitment of multiple signaling proteins for activation of the Ras-MAP kinase signaling cascade (1). FRS3 is mainly expressed in fibroblast and myoblast cell lines and undergo robust tyrosine phosphorylation in response to several mitogenic ligands. Through interaction with Rho family of small GTPases, FRS3 has been implicated in the reorganization of the actin cytoskeleton and subsequent morphological changes in various cells (2). FRS3 Protein is ideal for investigators involved in Signaling Reagents, Protein Substrates, AKT/PKB Pathway, Angiogenesis, Cancer, and ERK/MAPK Pathway research.
Synonyms:	SNT2, FRS2B, FRS2beta, MGC17167, Fibroblast growth factor receptor substrate 3, FGFR-signaling adaptor SNT2, Suc1-associated neurotrophic factor target 2, SNT-2, FGFR substrate 3
Species of Origin:	Human
Expressed in:	Sf9 cells
Type:	Recombinant Protein

Target Details

Gene Name:	FRS3
Purity/Specificity:	Recombinant full-length human FRS3 was expressed by baculovirus in Sf9 insect cells using an N-Terminal Glutathione-S-Transferase fusion protein. The purity was determined to be >80% by densitometry.
Relevant Links:	• NCBI - NM_006653

Application Details

Application Note:	FRS3 Protein is stored in 50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol. FRS3 Protein is suitable for use in Western Blot and Kinase Assay. Expect a band approximately ~87kDa on specific lysates or tissues. Specific conditions for reactivity should be optimized by the end user.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
WB:	User Optimized

Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	0.2 µg/µL
Buffer:	See application note.

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store product at –70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
Expiration:	Expiration date is one (1) year from date of receipt.

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