Datasheet for ABIN6699863

FRS3 Protein (GST tag)

Go to Product page

Overview

Quantity:	20 µg
Target:	FRS3
Origin:	Human
Source:	Insect cells (Sf9)
Protein Type:	Recombinant
Purification tag / Conjugate:	This FRS3 protein is labelled with GST tag.
Application:	Western Blotting (WB)

Product Details

Purpose:	FRS3 recombinant protein-GST fusion protein
Purification:	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.
Purity:	>80%

Target Details

Target:	FRS3
Alternative Name:	FRS3 (FRS3 Products)
Background:	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

Target 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.
NCBI Accession:	NM_006653

Application Details

Application Notes:	Western_Blot_Dilution: User Optimized Other: Kinase Assay-User Optimized Application_Note: FRS3 Protein is suitable for use in Western Blot and Kinase Assay. Expect a band approximately ~87 kDa on specific lysates or tissues. Specific conditions for reactivity should be optimized by the end user.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.2 µg/µL
Buffer:	FRS3 Protein is stored in 50 mM Tris-HCl, pH 7.5, 150 mM NaCl, 10 mM glutathione, 0.1 mM EDTA, 0.25 mM DTT, 0.1 mM PMSF, 25 % glycerol.
Storage:	-80 °C
Storage Comment:	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.
Expiry Date:	12 months