

Recombinant Human FRS2 293 Cell Lysate

Cat. No. FRS2-6134HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for fibroblast growth factor receptor substrate 2 (FRS2), transcript variant 1 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.
Applications	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the

 Tel: 1-631-559-9269 1-516-512-3133

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mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name	FRS2 fibroblast growth factor receptor substrate 2 [Homo sapiens]
Official Symbol	FRS2
Synonyms	FRS2; fibroblast growth factor receptor substrate 2; FRS2A; FRS2alpha; SNT 1; SNT1; FGFR substrate 2; FGFR signalling adaptor; FGFR-signaling adaptor SNT; suc1-associated neurotrophic factor target 1; SNT; SNT-1;
Gene ID	10818
mRNA Refseq	NM_001042555
Protein Refseq	NP_001036020
MIM	607743
UniProt ID	Q8WU20
Chromosome Location	12q15
Pathway	Downstream signaling of activated FGFR, organism-specific biosystem; FGF signaling pathway, organism-specific biosystem; FRS2-mediated cascade, organism-specific biosystem; Frs2-mediated activation, organism-specific biosystem; IRS-mediated signalling, organism-specific biosystem; IRS-related events, organism-specific biosystem; Insulin receptor signalling cascade, organism-specific biosystem;

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Function

fibroblast growth factor receptor binding; insulin receptor binding; neurotrophin TRKA receptor binding; phosphatase activator activity; protein binding; transmembrane receptor protein tyrosine kinase adaptor activity;

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