Recombinant Human SPRY1 293 Cell Lysate

Cat. No. SPRY1-1491HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for sprouty homolog 1, antagonist of FGF signaling (Drosophila) (SPRY1), transcript variant 2 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.

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

GENE INFORMATION

Gene Name	SPRY1 sprouty homolog 1, antagonist of FGF signaling (Drosophila) [Homo sapiens]
Official Symbol	SPRY1
Synonyms	SPRY1; sprouty homolog 1, antagonist of FGF signaling (Drosophila); sprouty (Drosophila) homolog 1 (antagonist of FGF signaling); protein sprouty homolog 1; hSPRY1; spry-1; sprouty, Drosophila, homolog of, 1 (antagonist of FGF signaling);
Gene ID	10252
mRNA Refseq	NM_001258038
Protein Refseq	NP_001244967
MIM	602465
UniProt ID	O43609
Chromosome Location	4q
Pathway	Disease, organism-specific biosystem; EGFR downregulation, organism-specific biosystem; Jak-STAT signaling pathway, organism-specific biosystem; Jak-STAT signaling pathway, conserved biosystem; Signal Transduction, organism-specific

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	biosystem; Signaling by EGFR, organism-specific biosystem; Signaling by EGFR in Cancer, organism-specific biosystem;

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