

Recombinant Human SMURF2 293 Cell Lysate

Cat. No. SMURF2-1646HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for SMAD specific E3 ubiquitin protein ligase 2 (SMURF2) 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

SMURF2 SMAD specific E3 ubiquitin protein ligase 2 [Homo sapiens]

Official Symbol

SMURF2

Synonyms

SMURF2; SMAD specific E3 ubiquitin protein ligase 2; E3 ubiquitin-protein ligase SMURF2; hSMURF2; E3 ubiquitin ligase SMURF2; SMAD ubiquitination regulatory factor 2; SMAD-specific E3 ubiquitin-protein ligase 2; MGC138150; DKFZp686F0270;

Gene ID

64750

mRNA Refseq

NM_022739

Protein Refseq

NP_073576

MIM

605532

UniProt ID

Q9HAU4

Chromosome Location

17q22-q23

Pathway

Adaptive Immune System, organism-specific biosystem; Antigen processing: Ubiquitination and Proteasome degradation, organism-specific biosystem; BMP receptor signaling, organism-specific biosystem; Class I MHC mediated antigen processing & presentation, organism-specific biosystem; Endocytosis, organism-

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specific biosystem;

Function

SMAD binding; acid-amino acid ligase activity; identical protein binding; ligase activity; protein binding; ubiquitin-protein ligase activity;

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