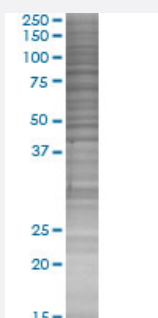


SMURF1 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00057154-T01

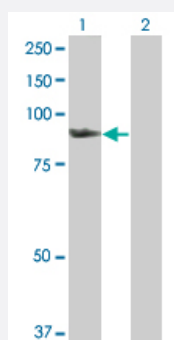
Size 100 uL

Applications



SDS-PAGE Gel

SMURF1 transfected lysate.



Western Blot

Lane 1: SMURF1 transfected lysate (83.40 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-SMURF1 full-length
Host	Human
Theoretical MW (kDa)	83.4
Interspecies Antigen Sequence	Mouse (98); Rat (98)

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-SMURF1 antibody ([H00057154-D01P](#)) by Western Blots.
SDS-PAGE Gel
SMURF1 transfected lysate.
Western Blot
Lane 1: SMURF1 transfected lysate (83.40 KDa)
Lane 2: Non-transfected lysate.

Storage Buffer

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — SMURF1

Entrez GeneID[57154](#)**GeneBank Accession#**[NM_181349](#)**Protein Accession#**[NP_851994.1](#)**Gene Name**

SMURF1

Gene Alias

KIAA1625

Gene Description

SMAD specific E3 ubiquitin protein ligase 1

Omim ID[605568](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

This gene encodes a ubiquitin ligase that is specific for receptor-regulated SMAD proteins in the bone morphogenetic protein (BMP) pathway. A similar protein in *Xenopus* is involved in embryonic pattern formation. Alternative splicing results in multiple transcript variants encoding different isoforms. An additional transcript variant has been identified, but its full length sequence has not been determined. [provided by RefSeq]

Other Designations

E3 ubiquitin ligase SMURF1|Smad ubiquitination regulatory factor 1|Smad-specific E3 ubiquitin ligase 1

Pathway

- [Endocytosis](#)
- [TGF-beta signaling pathway](#)
- [Ubiquitin mediated proteolysis](#)