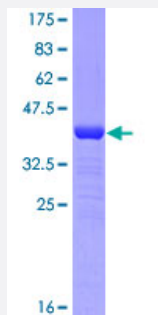


SMURF1 (Human) Recombinant Protein (Q01)

Catalog # H00057154-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human SMURF1 partial ORF (NP_065162, 165 a.a. - 268 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	DSGPGRPLSCFMEEPAPYTDSTGAAAGGGNCRFVESPSQDQRLQAQRLRNPDVRGSLQTPQN RPHGHQSPELPEGYEQRTTVQGQVYFLHTQTGVSTWHDPRIP
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	37.18
Interspecies Antigen Sequence	Mouse (98); Rat (98)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — SMURF1

Entrez GeneID [57154](#)

GeneBank Accession# [NM_020429](#)

Protein Accession# [NP_065162](#)

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](#)