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Zuschläge

- Mindermengenzuschlag
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- Expressversand

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Datasheet

SMURF1 (Human) Recombinant Protein (P01)

Catalog Number: H00057154-P01

Regulation Status: For research use only (RUO)

Product Description: Human SMURF1 full-length ORF (NP_851994.1, 1 a.a. - 731 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MSNPGTRRNGSSIKIRLTVLCAKNLAKKDFRPLPDPFA
KIVVDGSGQCHSTDTVKNTLDPKWNQHYDLYVGKTD
SITISVWNHKKIHKKQGAGFLGCVRLLSNAISRLKDTGY
QRLDLCKLNPSDTPAVRGQIVVSLQTRDRIGTGGSVV
DCRGLLENEGTVYEDSGPGRPLSCFMEEPAPYTDST
GAAAGGGNCRFVESPSQDQRLQAQRLRNPDRVGS
LQTPQNRPHGHQSPPELPEGYEQRTTVQGQVYFLHTQT
GVSTWHDPRIPRDLNSVNCDELGPLPPGWEVRSTVS
GRIYFVDHNNRTTQFTDPRLLHIMNHQCQLKEPSQPL
PLPSEGSLEDEELPAQRYERDLVQKLVLRHELSQLQ
PQAGHCRIEVSREEIFEESYRQIMKMRPKDLKRLMVK
FRGEEGLDYGGVAREWLYLLCHEMLNPYYGLFQYST
DNIYMLQINPDSSINPDHLSYFHFVGRIMGLAVFHGHYI
NGGFTVPFYKQLLGKPIQLSDLESVDPELHKSLVWILE
NDITPVLDTFCVEHNAFGRILQHELKPNRNVPTVEE
NKKEYVRLYVNWRFMRGIEAQFLALQKGFNELIPQHLL
KPFQDKELELIIGGLDKIDLNDWKSNTLRLKHCVADSNIV
RWFVQAVETFDERRARLLQFVTGSTRVPLQGFKAL
QGSTGAAGPRLFTIHLIDANTDNLPAHTCFNRIDIPPY
ESYEKLYEKLLTAVEETCGFAVE

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 109.8

Interspecies Antigen Sequence: Mouse (98); Rat (98)

Applications: AP, Array, ELISA, WB-Re

(See our web site product page for detailed applications information)

Protocols: See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Preparation Method: [in vitro wheat germ expression system](#)

Purification: Glutathione Sepharose 4 Fast Flow

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.

Entrez GeneID: 57154

Gene Symbol: SMURF1

Gene Alias: KIAA1625

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]

References:

1. Reciprocal Regulation Between ?TrCP and Smurf1 Suppresses Proliferative Capacity of Liver Cancer Cells. Zhang Y, Wang W, Cai S, Chen Y, Wang Q, Pan Q, Sun F, Wang J. *J Cell Physiol.* 2017 Jan 7. [Epub ahead of print]
2. Impaired phosphorylation and ubiquitination by P70 S6 kinase (P70S6K) and Smad ubiquitination regulatory factor 1 (Smurf1) promotes Tribbles homolog 2 (TRIB2) stability and carcinogenic property in liver cancer. Wang J, Zhang Y, Weng W, Qiao Y, Ma L, Xiao W, Yu Y, Pan Q, Sun F *J Biol Chem.* 2013 Oct 2.