



Recombinant Mouse E3 ubiquitin-protein ligase SMURF1 (Smurf1)

Product Code	CSB-EP875137MO
Abbreviation	Smurf1
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q9CUN6
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	>85% (SDS-PAGE)
Sequence	MSNPGTRRNG SSIKIRLTVL CAKNLAKKDF FRLPDPFAKI VVDGSGQCHS TDTVKNTLDP KWNQHYDLYV GKTDSITISV WNHKKIHKKQ GAGFLGCVRL LSNAISRLKD TGYQRLDLCK LNPSDTPDAVR GQIVVSLQTR DRIGGGGSV DCRGLLENEG TVYEDSGPGR PLSCLMEEPA PYTDGTGAAA GGGNCRFVES PSQDQRLLVQ RLRNPEVRGP LQTPQNRPHG HQSPELPEGY EQRTTVQGQV YFLHTQTGVS TWHDPRIPRD LNSVNCDELG PLPPGWEVRS TVSGRIYFVD HNNRTTQFTD PRLHHIMNHQ CQLKEPSQPL QLPSEGSVED EELPAQRYER DLVQKLKVLRL HELSLQQPQA GHCRIEVSRE EIFEESYRQI MKMRPKDLKK RLMVKFRGEE GLDYGGVARE WLYLLCHEML NPYYGLFQYS TDNIYTLQIN PDSSINPDHL SYFHFVGRIM GLAVFHGHYI NGGFTVPFYK QLLGKPIQLS DLESVDPELH KSLVWILEND ITPVLDHTFC VEHNAFGRIL QHELKPNGRN VPVTEENKKE YVRLYVNWRF MRGIEAQFLA LQKGFNELIP QHLLKPFQDK ELELIIGGLD KIDLNDWKSNTRLKHCVADS NIVRWFQAV ETFDEERRAR LLQFVTGSTR VPLQGFKALQ GSTGAAGPRL FTIHLIDANT DNLPKAHTCF NRIDIPPYES YEKLYEKLLT AVEETCGFAV E
Source	E.coli
Target Names	Smurf1
Protein Names	Recommended name: E3 ubiquitin-protein ligase SMURF1 EC= 6.3.2.- Alternative name(s): SMAD ubiquitination regulatory factor 1 SMAD-specific E3 ubiquitin-protein ligase 1
Expression Region	1-731
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	full length protein
Target Details	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.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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