

Recombinant Human SMO Protein

Cat. No. SMO-28H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human SMO full-length ORF (NP_005622.1) recombinant protein without tag.
Species	Human
Source	Wheat Germ
Description	The protein encoded by this gene is a G protein-coupled receptor that interacts with the patched protein, a receptor for hedgehog proteins. The encoded protein transduces signals to other proteins after activation by a hedgehog protein/patched protein complex.
Form	Liquid
Molecular Mass	86.4 kDa
AA Sequence	MAAARPARGPELPLLGLLLLLLLGDPGRGAASSGNATGPGPRSAGGSARRSAAVTG PPPPLSHCGRAAPCEPLRYNVCLGSLPYGATSTLLAGDSDSQEEAHGKLVLSGL RNAPRCWAVIQPLLCVYMPKCENDRVELPSRTLQATRGPCAIVERERGWPDFLR CTPDRFPEGCTNEVQNIKFNSSGQCEVPLVRTDNPKSWYEDVEGCGIQCQNPLFTE AEHQDMHSYIAAFGAVTGLCTLFTLATFVADWRNSNRYPAVILFYVNACFFVGSIGW LAQFMDGARREIVCRADGTMRLGEPTSNETLSCVIIFVIVYYALMAGVVWFVLTYA WHTSFKALGTTYQPLSGKTSYFHLLTWSLPFVLTVAILAVAQVDGDSVSGICFVGKY NYRYRAGFVLAPIGLVLIVGGYFLIRGVMTLFSIKSNHPGLLSEKAASKINETMLRLGIF GFLAFGFVLITFSCHFYDFFNQAEWERSFRDYVLCQANVTIGLPTKQPIPDCEIKNRP SLLVEKINLFFAMFGTGIAMSTWVWTKATLLIWRRTWCRLTGQSDDEPKRIKSKMIA

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

KAFSKRHELLQNPGQELSFMSHTVSHDGPVAGLAFDLNEPSADVSSAWAQHVTKM
 VARRGAILPQDISVTPVATPVPPEEQANLWLVEAEISPELQKRLGRKKKRRKRKKEV
 CPLAPPELHPPAPAPSTIPRLPQLPRQKCLVAAGAWGAGDSCRQGAWTLVSNPFC
 PEPSPQDPFLPSAPAPVAWAHGRRQGLGPIHSRTNLMDELMDADSDF

Applications	Antibody Production Functional Study Compound Screening
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	25 mM Tris-HCl of pH 8.0 containing 2% glycerol.
Reconstitution	Heating may cause protein aggregation. Please do not heat this product before electrophoresis.

GENE INFORMATION

Gene Name	SMO
Official Symbol	SMO <i>smoothened, frizzled class receptor</i> [Homo sapiens (human)]
Synonyms	SMO; smoothened, frizzled class receptor; Gx; CRJS; SMOH; FZD11; smoothened homolog; frizzled family member 11; protein Gx; seven transmembrane helix receptor; smoothened, frizzled family receptor; smoothened, seven transmembrane spanning receptor
Gene ID	6608

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

mRNA Refseq	NM_005631
Protein Refseq	NP_005622
MIM	601500
UniProt ID	Q99835

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA