

Recombinant Full Length Human SMO Protein

Cat. No. SMO-6780HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human SMO full-length ORF (NP_005622.1) recombinant protein without tag.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	404 amino acids
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 RNAPRCWAVIQPLLCAVYMPKCENDRVELPSRTLQATRGPCAIVERERGWPDFLR CTPDRFPEGCTNEVQNIKFNSSGQCEVPLVRTDNPKSWYEDVEGCGIQCQNPLFTE AEHQDMHSYIAAFGAVTGLCTLFTLATFVADWRNSNRYPAVILFYVNACFFVGSIGW LAQFMDGARREIVCRADGTMRLGEPTSNETLSCVIIFVIVYYALMAGVWVFLTYA WHTSFKALGTTYQPLSGKTSYFHLLTWSLPFVLTVAILAVAQVDGDSVSGICFVGKY NYRYRAGFVLAPIGLVLIVGGYFLIRGVMTLFSIKSNHPGLLSEKAASKINETMLRLGIF

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GFLAFGFVLITFSCHFYDFFNQAEWERSFRDYVLCQANVTIGLPTKQPIPDCEIKNRP
 SLLVEKINL FAMFGTGIAMSTWVWTKATLLIWRRTWCRLTGQSDDEPKRIKSKMIA
 KAFSKRHELLQNPGQELSFMSHTVSHDGPVAGLAFDLNEPSADVSSAWAQHVTKM
 VARRGAILPQDISVTPVATPVPPEEQANLWLVEAEISPELQKRLGRKKKRRKRKKEV
 CPLAPPELHPPAPAPSTIPRLPQLPRQKCLVAAGAWGAGDSCRQGAWTLVSNPFC
 PEPSPQDPFLPSAPAPVAWAHGRRQGLGPIHSRTNLMDTELMDADSDF

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.

GENE INFORMATION

Gene Name

SMO [smoothened, frizzled class receptor \[Homo sapiens \(human\) \]](#)

Official Symbol

[SMO](#)

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](#)

mRNA Refseq

[NM_005631](#)

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Protein Refseq	NP_005622
MIM	601500
UniProt ID	Q99835

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