

Recombinant Human SMO protein, His-tagged

Cat. No. SMO-2700H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SMO protein(NP_005622.1)(28-233 aa), fused to His tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	28-233 aa
Form	The purified protein was Lyophilized from sterile PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH7.). 5 % trehalose and 5 % mannitol are added as protectants before lyophilization.
AA Sequence	RGAASSGNATGPGPRSAGGSARRSAAVTGPPPPLSHCGRAAPCEPLRYNVCLGSV LPYGATSTLLAGSDSDSQEEAHGKLVLSGLRNAPRCWAVIQPLLCAVYMPKCENDR VELPSRTLTCQATRGPCAIVERERGWPDFLRCTPDRFPEGCTNEVQNIKFNSSGQCE VPLVRTDNPKSWYEDVEGCGIQCQNPLFTEAEHQDMHSY
Purity	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Stability	Store for up to 12 months at -20°C to -80°C as lyophilized powder.
Storage	Short-term storage: Store at 2-8°C for (1-2 weeks). Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw

 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

cycles.

Reconstitution

Reconstitute at 0.25 g/μl in 200 μl sterile water for short-term storage.

Reconstitution with 200 μl 50% glycerol solution is recommended for longer term storage (see Stability and Storage for more details).

If a different concentration is needed for your purposes please adjust the reconstitution volume as required (please note: the ion concentration of the final solution will vary according to the volume used).

Note: Centrifuge vial before opening. When reconstituting, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution.

GENE INFORMATION

Gene Name SMO smoothened, frizzled family receptor [Homo sapiens]

Official Symbol SMO

Synonyms SMO; smoothened, frizzled family receptor; SMOH, smoothened (Drosophila) homolog , smoothened homolog (Drosophila) , smoothened, seven transmembrane spanning receptor; smoothened homolog; frizzled family member 11; FZD11; protein Gx; seven transmembrane helix receptor; smoothened, seven transmembrane spanning receptor; Gx; SMOH;

Gene ID 6608

mRNA Refseq NM_005631.4

Protein Refseq NP_005622.1

MIM 601500

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UniProt ID

Q99835

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