

Proteoliposomes

Full-Length

SMO (Human) Recombinant Protein

Catalog # H00006608-G01

Size 10 ug

Specification

Product Description

Human SMO full-length ORF (NP_005622.1) recombinant protein without tag.
This product is belong to Proteoliposome (PL).

Sequence

MAAAPARGPELPLGLLLLLLLGDPGRGAASSGNATGPGPRSAGGSARRSAAVTGPPPPPLSH
CGRAAPCEPLRYNVCLGSVLPYGATSTLLAGDSDSQEEAHGKLVLWSGLRNAPRCWAVIQPLLC
AVYMPKCENDRVELPSRTLCAQTRGPCAMVERERGWPDFLRCTPDRFPEGCTNEVQNIKFNSSG
QCEVPLVRTDNPKSWYEDVEGCGIQCQNPLFTEAEHQDMHSYIAAFGAVTGLCTLFTLATFVAD
WRNSNRYPAVILFYVNACFFVGSIGWLAQFMDGARREVCRADGTMRLGEPTSNETLSCVIFVIVY
YALMAGVWVFWLTAWHTSFKALGTTYQPLSGKTSYFHLLTWSLPFVLTVAIVAAQVDGDSVS
GICFVGKYNRYRAGFVLAPIGLVLVGGYFLIRGVMTLFSIKSNHPGLLSEKAASKINETMLRLGIFG
FLAFGFVLITFSCHFYDFFNQAEWERSFRDYVLCQANVTIGLPTKQPIPDCEIKNRPSLLVEKINLFA
MFGTGIAMSTWVWTKATLLWRRTWCRLTGQSDDEPKRIKSKMIAKAFSKRHELLQNPQGELSF
SMHTVSHDGPVAGLAFDLNEPSADVSSAWAQHVTMVARRGAILPQDISVTPVATPVPPEEQAN
LWLVEAEISPELQKRLGRKKRRKRKKEVCPLAPPELHPPAPAPSTIPRLPQLPRQKCLVAAGA
WGAGDSCRQGAWTLVSNPFCPEPSPQDPFLPSAPAPVAWAHGRQGLGPIHSRTNLMDTEL
MDADSDF

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

86.40000000000001

Interspecies Antigen Sequence

Mouse (92); Rat (93)

Form

Liquid

Preparation Method

[in vitro wheat germ expression system with proprietary liposome technology](#)

Purification

None

Recommend Usage

Heating may cause protein aggregation. Please do not heat this product before electrophoresis.

Storage Buffer

25 mM Tris-HCl of pH8.0 containing 2% glycerol.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Antibody Production

Gene Info — SMO

Entrez GeneID [6608](#)

GeneBank Accession# [NM_005631.3](#)

Protein Accession# [NP_005622.1](#)

Gene Name SMO

Gene Alias Gx, SMOH

Gene Description smoothened homolog (Drosophila)

Omim ID [601500](#)

Gene Ontology [Hyperlink](#)

Other Designations seven transmembrane helix receptor|smoothened

Publication Reference

- [Discovery of \[1,2,4\]triazolo\[4,3-a\]pyridines as potent Smoothened inhibitors targeting the Hedgehog pathway with improved antitumor activity in vivo.](#)

Nannan Tian, Huanxian Wu, Huiwu Zhang, Danni Yang, Lin Lv, Zichao Yang, Tingting Zhang, Dongling Quan, Lei Zhou, Ying Xie, Yimei Xu, Ning Wei, Jiajie Zhang, Mian Chen, John C Schmitz, Yuanxin Tian, Shaoyu Wu.

Bioorganic & Medicinal Chemistry 2020 Aug; 28(16):115584.

Application: TR-FRET, Compounds

- [Highly sensitive detection of Smoothened based on the drug binding and rolling cycle amplification.](#)

Li J, Hu K, Zhang Y, Zhang Z, Li H.

Analytical and Bioanalytical Chemistry 2019 Sep; 411(22):5721.

Application: Func, As a standard

Pathway

- [Basal cell carcinoma](#)
- [Hedgehog signaling pathway](#)
- [Pathways in cancer](#)

Disease

- [Autistic Disorder](#)
- [Genetic Predisposition to Disease](#)
- [Head and Neck Neoplasms](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)
- [Pancreatic cancer](#)
- [Pancreatic Neoplasms](#)
- [Thyroid Neoplasms](#)
- [Urinary Bladder Neoplasms](#)