

Product Information

MemDX™ Membrane Protein Human SMO (Smoothened, frizzled class receptor) Full Length

Cat. No.: **MPC1092K**

This product is for research use only and is not intended for diagnostic use.

This product is a 86.3 kDa Human SMO membrane protein expressed in HEK293. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

SMO

Protein Length

Full length

Protein Class

GPCR

Molecular Weight

86.3 kDa

TMD

7

Sequence

MAAAPARGPELPLGLLLLLLLGDPGRGAASSGNATGPGPRSAGGSARR
SAAVTGPPPPLSHCGRAAPCEPLRYNVCLGSVLPYGATSTLLAGDSDSQE
EAHGKLVWGLRNAPRCWAVIQPLLCVYMPKCENDRVLPSTLCQAT
RGPCAIVERERGWPDFLRCTPDRFPEGCTNEVQNIKFNSGQCEVPLVRT
DNPKSWYEDVEGCGIQCQNPLFTEAEHQDMHSYIAAFGAVTGLCTLFTLA
TFVADWRNSNRYPAVILFYVNACFFVGSIGWLAQFMDGARREIVCRADGT
MRLGEPTSNETLSCVIFVIVYYALMAGVWVFWVLTAWHTSFKALGTTY
QPLSGKTSYFHLLTWSLPFVLTAVILAVAQVDGDSVSGICFVGKYNRYR
AGFVLAPIGLVLIVGGYFLIRGVMTLFSIKSNHPGLLSEKAASKINETML
RLGIFGFLAFGFVLITFSCHFYDFFNQAEWERSFRDYVLCQANVTIGLPT
KQPIPDCEIKNRPSLLVEKINLFAMFGTGIAMSTWVWTKATLLIWRRTWC
RLTGQSDDEPKRIKSKMIAKAFSKRHELLQNPQGELSFSMHTVSHDGPV
AGLAFDLNEPSADVSSAWAQHVTKMVARRGAILPQDISVTPVATVPPEE
QANLWLVEAEISPELQKRLGRKKKRKRKKEVCPLAPPELHPPAPAPST
IPRLPQLPRQKCLVAAGAWGAGDSCRQGAWTLVSNPFCPEPSPPQDPFLP
SAPAPVAWAHGRQGLGPIHSRTNLMDTELMDADSDF

Product Description

Expression Systems

HEK293

Tag

Rho1D4 tag at C-terminal

Protein Format

Detergent or based on specific requirements

Form

Liquid

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°C or lower. Avoid freeze/thaw cycles.

Target

Target Protein

SMO

Full Name

Smoothened, frizzled class receptor

Introduction

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.

Alternative Names

SMO; Gx; CRJS; PHLS; SMOH; FZD11; smoothened homolog; frizzled family member 11; protein Gx; seven transmembrane helix receptor; smoothened, frizzled family receptor; smoothened, seven transmembrane spanning receptor; Smoothened, frizzled class receptor

Gene ID

[6608](#)

UniProt ID

[Q99835](#)