

Product datasheet

Recombinant Human Smoothened protein ab114221

1 Image

Description

Product name	Recombinant Human Smoothened protein
Expression system	Wheat germ
Accession	<u>Q99835</u>
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Human
Sequence	NLWLVEAEISPELQKRLGRKKKRRKRKKEVCPLAPPPPEL HPPAPAPSTIP RLPQLPRQKCLVAAGAWGAGDSCRQ GAWTLVSNPFCPEPSPPQDPFLP SAPAPVAWAHGRRQGLGPIHSRTNLMDTELMDADSDF
Predicted molecular weight	40 kDa including tags
Amino acids	653 to 787

Specifications

Our **Abpromise guarantee** covers the use of **ab114221** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	ELISA SDS-PAGE Western blot
Form	Liquid

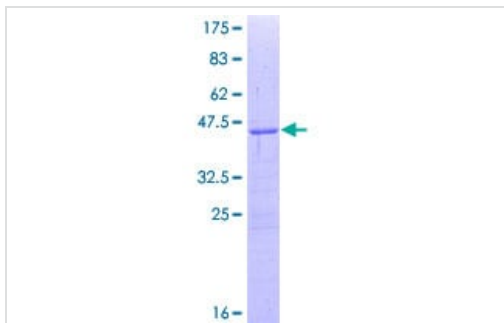
Preparation and Storage

Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 0.3% Glutathione, 0.79% Tris HCl
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General Info

Function	G protein-coupled receptor that probably associates with the patched protein (PTCH) to transduce the hedgehog's proteins signal. Binding of sonic hedgehog (SHH) to its receptor patched is thought to prevent normal inhibition by patched of smoothened (SMO). Required for the accumulation of KIF7 and GLI3 in the cilia.
Sequence similarities	Belongs to the G-protein coupled receptor Fz/Smo family. Contains 1 FZ (frizzled) domain.
Cellular localization	Membrane.

Images



SDS-PAGE - Recombinant Human Smoothened protein (ab114221)

ab114221 analysed on a 12.5% SDS-PAGE gel stained with Coomassie Blue.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
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