

RMCH174

Recombinant Sonic Hedgehog (C24II), His-SUMO Tag,
Human, AF



Order	021-34695924 orders@ab-mart.com
Support	400-6123-828 support1@ab-mart.com
Web	www.ab-mart.com.cn

5ug;20ug;100ug;500ug;

Synonym/Alternative name(s):

SHH, TPT, HHG1, HLP3, HPE3, SMMCI, ShhNC, TPTPS, MCOPCB5

Activity : N/A

Protein Description:

Sonic hedgehog protein (SHH) plays a critical role in development of embryonic morphogenesis which mediate the process of organogenesis and central nervous system. The sonic hedgehog signal pathway also plays an important role in cancerous tumors like embryonic cerebellar tumor, prostate cancer tumours and medulloblastoma. Shh binds the receptor (Ptc1) that induce the smo protein to activate the downstream pathway, which induce the shh target gene expression.

Protein Accession : Q15465.1

Gene ID : 6469

Expression Sequence:

IIGPGRGFGKRRHPKLLTPLAYKQFIPNVAEKTGASGRYEGKISRNSERFKELTPNYNPDIIIFKDEENTGADRLMTQRCKDKLNLAISV
MNQWPGVKLRVTEGWDEDGHHSEESLHYEGRAVDITTSDRDRSKYGMRLARLAVEAGFDWVYYESKAHIHCSVKAENSVAASKGG
with polyhistidine-SUMO tag at the N-terminus

Fusion tag : His-SUMO tag at the N-terminus

Species : Human

Reactivity : Human

Expression Host : Escherichia coli

Source : E. coli

Purity/method:

>95% as determined by SDS-PAGE.

Ni-NTA chromatography.

Endotoxin level:

<0.1 EU per 1 µg of the protein by the LAL method.

Calculated Molecular Weight : 31.86 kDa

Formulation:

The protein was lyophilized from a solution containing 1X PBS, pH 7.4.

Reconstitution:

It is recommended to reconstitute the lyophilized protein in sterile H₂O to a concentration not less than 100 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

Shipping : Blue Ice

Stability and Storage:

Lyophilized protein should be stored at -20°C for 1 year.

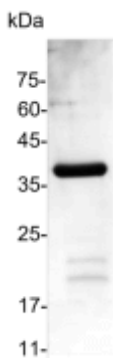
Upon reconstitution, store at 2°C to 8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1%

BSA, 10%FBS, 5%HSA or 5% trehalose solution), protein aliquots should be stored at -20°C or -80°C for 3-6 months.

Category : Cytokines

Application : Cell culture, Elisa

Image:



SDS- PAGE analysis of recombinant human Sonic Hedgehog (C24II)