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Datasheet for ABIN7534321 HHIP Protein (His tag)

Overview

Quantity:	100 µg
Target:	HHIP
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This HHIP protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Hedgehog-interacting protein/HHIP Protein
Sequence:	<p>FFEGDAKFGE RNEGSGARRR RCLNGNPPKR LKRRDRRMMS QLELLSGGEM LCGGFYPRLS CCLRSDSPGL GRLENKIFSV TNNTECGKLL EEIKCALCSP HSQSLFHSPE REVLERDLVL PLLCKDYCKE FFYTCRGHIP GFLQTTADEF CFYYARKDGG LCFPDFPRKQ VRGPASNYLD QMEEYDKVEE ISRKHKHNCF CIQEVVSLR QPVGALHSGD GSQRLFILEK EGYVKILTPE GEIFKEPYLD IHKLVQSGIK GGDERGLLSL AFHPNYKKNK KLYVSYTTNQ ERWAIGPHDH ILRVVEYTVS RKNPHQVDLR TARVFLEVAE LHRKHLGGQL LFGPDGFLYI ILGDGMITLD DMEEMDGLSD FTGSVLRLDV DTDMCNVPYS IPRSNPHFNS TNQPPEVFAH GLHDPGRCAV DRHPTDININ LTI LCSDSNG KNRSSARILQ IIKGKDYESE PSLLFEKPFS NGPLVGGFVY RGCQSERLYG SYVFGDRNGN FLTLQQSPVT KQWQEKPLCL GTSGSCRGYF SGHILGFGED ELGEVYILSS SKSMTQTHNG KLYKIVDPKR PLMPEECRAT VQPAQTLTSE CSRLCRNGYC TPTGKCCCSP GWEGDFCRTA KCEPACRHGG VCVRPNKCLC KKGYLGPQCE QVD</p>
Specificity:	Phe18-Asp670
Purity:	> 90 % by SDS-PAGE.

Product Details

Sterility:	0.22 µm filtered
Endotoxin Level:	< 0.1 EU/µg of the protein by LAL method.

Target Details

Target:	HHIP
Alternative Name:	Hedgehog-interacting protein/HHIP (HHIP Products)
Background:	<p>Description: Hip (Hedgehog-interacting protein) is a type I transmembrane protein identified for its ability to bind biologically active Sonic Hedgehog. The hedgehog (HH) proteins are evolutionarily conserved protein, which are important morphogens for a wide range of developmental processes, including anteroposterior patterns of limbs and regulation of left-right asymmetry in embryonic development. Multiple cell-surface receptors are responsible for transducing and/or regulating HH signals. The Hip protein is a highly conserved, vertebrate-specific inhibitor of HH signaling. It interacts with all three HH family members, SHH, IHH and DHH. Two single nucleotide polymorphisms (SNPs) near this gene are significantly associated with risk of chronic obstructive pulmonary disease (COPD). A single nucleotide polymorphism in this gene is also strongly associated with human height.</p> <p>Name: HHIP,HIP</p>
Gene ID:	64399
UniProt:	Q96QV1
Pathways:	Hedgehog Signaling

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.
Buffer:	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.

Handling

Storage: -20 °C,-80 °C

Storage Comment: Store the lyophilized protein at -20°C to -80 °C for long term.
After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.