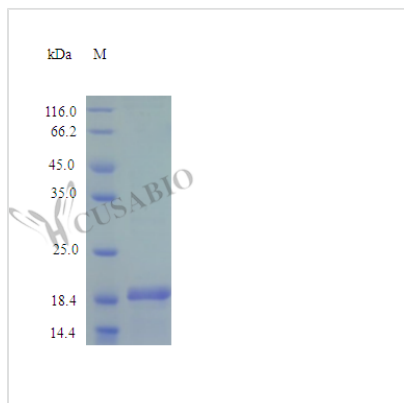




Recombinant Human Sonic hedgehog protein (SHH), partial (Active)

Product Code	CSB-AP000371HU
Abbreviation	Recombinant Human SHH protein, partial (Active)
Uniprot No.	Q15465
Form	Lyophilized powder
Storage Buffer	Lyophilized from a 0.2 µm filtered 20 mM PB, pH 7.4, 150mM NaCl
Product Type	Other
Immunogen Species	Homo sapiens (Human)
Biological Activity	Fully biologically active when compared to standard. The ED50 as determined by inducing alkaline phosphatase production of murine C3H/10T1/2 cells is less than 1 µg/ml, corresponding to a specific activity of >1.0x10 ³ IU/mg.
Purity	>98% as determined by SDS-PAGE.
Sequence	IVIGPGRGFG KRRHPKKLTP LAYKQFIPNV AEKTLGASGR YEGKISRNSE RFKELTPNYN PDIIFKDEEN TGADRLMTQR CKDKLNALAI SVMNQWPGVK LRVTEGWDED GHHSEESLHY EGRAVDITTS DRDRSKYGML ARLAVEAGFD WVYYESKAHI HCSVKAENSV AAKSGG
Research Area	Cancer
Source	E.coli
Target Names	SHH
Expression Region	22-197aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag-Free
Mol. Weight	19.8 kDa
Protein Length	Partial(22-24:LAC→IVI)
PubMed ID	7590746; 12853948; 12690205; 9593755; 7720571; 12837695; 16335952; 18417549; 19847792; 24456159; 24965254; 10753901; 19561609; 20504762; 8896572; 9302262; 10441331; 10556296; 11471164; 11479728; 12503095; 15103725; 15107988; 15221788; 15942952; 15942953;
Image	



Endotoxin	Less than 1.0 EU/μg as determined by LAL method.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
Shelf Life	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.