



# Recombinant *Xenopus laevis* Sonic hedgehog protein (shh)

<b>Product Code</b>	CSB-EP856343XBE-B
<b>Abbreviation</b>	shh
<b>Storage</b>	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.
<b>Uniprot No.</b>	Q92000
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	<i>Xenopus laevis</i> (African clawed frog)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	CGPGRG IGKRRHPKKL TPLAYKQFIP NVAEKTGAS GRYEGKITRN SDCFKELTPN YNPDIMFKDE ESTGADRLMT QRCKDKLNAL AISVMNQWPG VKLRVTEGWD EDGHHLEESL HYEGRAVDIT TSDRDRSKYG MLGRLAVEAG FDWVYYESKA HHC SVKAEN SVAAKSGGCF PAGARVMVEF GGTKAVKDLR PGDRVLSDDP QGNLLYSDFL MFIDQERDVK KLFYVIETSQ RKIRLTA AHL LFVAQTKVNG TRSFKSVFAS NIQPGDLIYT ADPKTMTLKA VKVEKVDLEE DTGAYAPLTA HGTVIDQVL ASCYAVIEEH TWAHLAFAPL RFGMSLSSYI YPRDSSPPSG LQPHHQVDLQ SHHQVDLQSH HQVDLQSHHQ LEGIHWYSQL LYQIGTWLLD SNSLHPLGMA TKSS
<b>Source</b>	E.coli
<b>Target Names</b>	shh
<b>Protein Names</b>	Recommended name: Sonic hedgehog protein Alternative name(s): VHH-1 X-SHH Cleaved into the following 2 chains: 1. Sonic hedgehog protein N-product 2. Sonic hedgehog protein C-product
<b>Expression Region</b>	25-444
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Reconstitution</b>	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.
<b>Shelf Life</b>	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.