



# Recombinant Danio rerio Sonic hedgehog protein A (shha)

<b>Product Code</b>	CSB-EP835612DIL-B
<b>Abbreviation</b>	shha
<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>	Q92008
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Danio rerio (Zebrafish) (Brachydanio rerio)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	CGPGRGY GRRRHPKCLT PLAYKQFIPN VAEKTLGASG RYEGKITRNS ERFKELTPNY NPDIIFKDEE NTGADRLMTQ RCKDKLNSLA ISVMNHWP KLRVTEGWDE DGHHFEESLH YEGRAVDITT SDRDKSKYGT LSRLAVEAGF DWVYYESKAH IHCSVKAENS VAAKSGGCFP GSALVSLQDG GQKAVKDLNP GDKVLAADSA GNLVFSDFIM FTDRDSTTRR VFYVIETQEP VEKITLTA LLFVLDNSTE DLHTMTAAYA SSVRAGQKVM VVDDSGQLKS VIVQRIY TEE QRGSFAPVTA HGTIVVDRIL ASCYAVIEDQ GLAHLAFAPA RLYYYV SSFL FPQNSSSRSN ATLQQEGVHW YSRLLYQMGT WLLDSNMLHP LGMSV NSS
<b>Source</b>	E.coli
<b>Target Names</b>	shha
<b>Protein Names</b>	Recommended name: Sonic hedgehog protein A Short name= SHHA Alternative name(s): VHH-1 Cleaved into the following 2 chains: 1. Sonic hedgehog protein A N-product 2. Sonic hedgehog protein A C-product
<b>Expression Region</b>	24-418
<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.