



Recombinant Danio rerio Sonic hedgehog protein A (shha)

Product Code	CSB-EP835612DIL
Abbreviation	shha
Storage	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.
Uniprot No.	Q92008
Product Type	Recombinant Protein
Immunogen Species	Danio rerio (Zebrafish) (Brachydanio rerio)
Purity	>85% (SDS-PAGE)
Sequence	CGPGRGY GRRRHPKLT 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
Source	E.coli
Target Names	shha
Protein Names	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
Expression Region	24-418
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
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.