



# Recombinant Human Homeobox protein SIX6 (SIX6)

<b>Product Code</b>	CSB-EP021353HU-B
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	O95475
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	MFQLPILNFS PQQVAGVCET LEESGDVERL GRFLWSLPVA PAACEALNKN ESVLRARAIV AFHGGNYREL YHILENHKFT KESHAKLQAL WLEAHYQAE KLRGRPLGPV DKYRVRKFP LPRTIWDGEQ KTHCFKERTR HLLREWYLQD PYPNPSKKRE LAQATGLTPT QVGNWFKNRR QRDRAAAKN RLQQQVLSQG SGRALRAEGD GTPEVLGVAT SPAASLSSKA ATSAISITSS DSECDI
<b>Source</b>	E.coli
<b>Target Names</b>	SIX6
<b>Protein Names</b>	Recommended name: Homeobox protein SIX6 Alternative name(s): Homeodomain protein OPTX2 Optic homeobox 2 Sine oculis homeobox homolog 6
<b>Expression Region</b>	1-246
<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 protein
<b>Target Details</b>	This protein is a homeobox protein that is similar to the Drosophila sine oculis gene product. This gene is found in a cluster of related genes on chromosome 14 and is thought to be involved in eye development. Defects in this gene are a cause of isolated microphthalmia with cataract type 2 (MCOPCT2).
<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.