



Recombinant Human Homeobox protein SIX6 (SIX6)

Product Code	CSB-EP021353HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	O95475
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	MFQLPILNFS PQQVAGVCET LEESGDVERL GRFLWSLPVA PAACEALNKN ESVLRARAIV AFHGGNYREL YHILENHKFT KESHAKLQAL WLEAHYQEA KLRGRPLGPV DKYRVRKKFP LPRTIWDGEQ KTHCFKERTR HLLREWYLQD PYPNPSKKRE LAQATGLTPT QVGNWFKNRR QRDRAAAKN RLQQQVLSQG SGRALRAEGD GTPEVLGVAT SPAASLSSKA ATSAISITSS DSECDI
Source	E.coli
Target Names	SIX6
Protein Names	Recommended name: Homeobox protein SIX6 Alternative name(s): Homeodomain protein OPTX2 Optic homeobox 2 Sine oculis homeobox homolog 6
Expression Region	1-246
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 protein
Target Details	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).
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.