



# Recombinant Human LIM/homeobox protein Lhx5 (LHX5)

<b>Product Code</b>	CSB-MP884449HU
<b>Abbreviation</b>	LHX5
<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>	Q9H2C1
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	MMVHCAGCER PILDRFLLNV LDRAWHIKCV QCCECKTNLS EKCFSSREGKL YCKNDFFRF GTKCAGCAQG ISPSDLVRKA RSKVFHLNCF TCMVCNKQLS TGEELYVIDE NKFVCKDDYL SSSSLKEGSL NSVSSCTDRS LSPDLQDALQ DDPKETDNST SSDKETANNE NEEQNSGTKR RGPRTTIKAK QLETLKAAFA ATPKPTRHIR EQLAQETGLN MRVIQVWFQN RRSKERRMKQ LSALGARRHA FFRSPRRMRP LGGRLDESEM LGSTPYTYYG DYQGDYYAPG SNYDFFAHGP PSQAQSPADS SFLAASGPGS TPLGALEPPL AGPHAADNPR FTDMISHPDT PSPEPGLPGT LHPMPGEVFS GGPSPPFPMS GTSGYSGPLS HPNPELNEAA VW
<b>Source</b>	Mammalian cell
<b>Target Names</b>	LHX5
<b>Protein Names</b>	Recommended name: LIM/homeobox protein Lhx5 Short name= LIM homeobox protein 5
<b>Expression Region</b>	1-402
<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 gene encodes a protein belonging to a large protein family, members of which carry the LIM domain, a unique cysteine-rich zinc-binding domain. The encoded protein may function as a transcriptional regulator and be involved in the control of differentiation and development of the forebrain. In mice, this protein is essential for the regulation of precursor cell proliferation and the control of neuronal differentiation and migration during hippocampal development. This protein is involved in learning and motor functions in adult mice.

**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.