Recombinant Human Homeobox protein MSX-2 (MSX2)

Product Code	CSB-YP015069HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P35548
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	MASPSKGNDL FSPDEEGPAV VAGPGPGPGG AEGAAEERRV KVSSLPFSVE ALMSDKKPPK EASPLPAESA SAGATLRPLL LSGHGAREAH SPGPLVKPFE TASVKSENSE DGAAWMQEPG RYSPPPRHMS PTTCTLRKHK TNRKPRTPFT TSQLLALERK FRQKQYLSIA ERAEFSSSLN LTETQVKIWF QNRRAKAKRL QEAELEKLKM AAKPMLPSSF SLPFPISSPL QAASIYGASY PFHRPVLPIP PVGLYATPVG YGMYHLS
Source	Yeast
Target Names	MSX2
Protein Names	Recommended name: Homeobox protein MSX-2 Alternative name(s): Homeobox protein Hox-8
Expression Region	1-267
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 gene encodes a member of the muscle segment homeobox gene family. The encoded protein is a transcriptional repressor whose normal activity may establish a balance between survival and apoptosis of neural crest-derived cells required for proper craniofacial morphogenesis. The encoded protein may also have a role in promoting cell growth under certain conditions and may be an important target for the RAS signaling pathways. Mutations in this gene are associated with parietal foramina 1 and craniosynostosis type 2.
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.