Recombinant Mouse Homeobox protein MSX-1 (Msx1)

Product Code	CSB-EP015068MO-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P13297
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	>85% (SDS-PAGE)
Sequence	MAPAAAMTSL PLGVKVEDSA FAKPAGGGVG QAPGAAAATA TAMGTDEEGA KPKVPASLLP FSVEALMADH RKPGAKESVL VASEGAQAAG GSVQHLGTRP GSLGAPDAPS SPRPLGHFSV GGLLKLPEDA LVKAESPEKL DRTPWMQSPR FSPPPARRLS PPACTLRKHK TNRKPRTPFT TAQLLALERK FRQKQYLSIA ERAEFSSSLS LTETQVKIWF QNRRAKAKRL QEAELEKLKM AAKPMLPPAA FGLSFPLGGP AAVAAAAGAS LYSASGPFQR AALPVAPVGL YTAHVGYSMY HLT
Source	E.coli
Target Names	Msx1
Protein Names	Recommended name: Homeobox protein MSX-1 Alternative name(s): Homeobox protein Hox-7 Hox-7.1 Msh homeobox 1-like protein
Expression Region	1-303
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 functions as a transcriptional repressor during embryogenesis through interactions with components of the core transcription complex and other homeoproteins. It may also have roles in limb-pattern formation, craniofacial development, particularly odontogenesis, and tumor growth inhibition. Mutations in this gene, which was once known as homeobox 7, have been associated with nonsyndromic cleft lip with or without cleft palate 5, Witkop syndrome, Wolf-Hirschom syndrome, and autosomoal dominant hypodontia.
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.