



Recombinant Mouse Homeobox protein OTX2 (Otx2)

Product Code	CSB-BP017299MO
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P80206
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	>85% (SDS-PAGE)
Sequence	MMSYLKQPPY AVNGLSLTTS GMDLLHPSVG YPATPRKQRR ERTTFTRAQL DVLEALFAKT RYPDIFMREE VALKINLPES RVQVWFKNRR AKCRQQQQQQ QNGGQNKVRP AKKKSSPARE VSSESGTSGQ FTPPSSTSV TIASSAPVS IWSPASISPL SDPLSTSSSC MQRSYPMYTYT QASGYSQGYA GSTSYFGGMD CGSYLTPMHH QLPGPGATLS PMGTNAVTS LNQSPASLST QGYGASSLGF NSTTDCLDYK DQTASWKLNF NADCLDYKDQ TSSWKFQVL
Source	Baculovirus
Target Names	Otx2
Protein Names	Recommended name: Homeobox protein OTX2 Alternative name(s): Orthodenticle homolog 2
Expression Region	1-289
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 bicoid sub-family of homeodomain-containing transcription factors. The encoded protein acts as a transcription factor and may play a role in brain and sensory organ development. A similar protein in mice is required for proper forebrain development. Two transcript variants encoding distinct isoforms have been identified for this gene. Other alternative splice variants may exist, but their full length sequences have not been determined.
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.