



# Recombinant Human Musculin (MSC)

<b>Product Code</b>	CSB-EP015025HU-B
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	O60682
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	MSTGVSVDPE EMELRGLQRE YPVPASKRPP LRGVERSYAS PSDNSSAE DPDGEEERCA LGTAGSAEGC KRKRPRVAGG GGAGGSAGGG GKKPLPAKGS AAECKQSQRN AANARERARM RVLSKAFSRL KTSLPWVPPD TKLSKLDTLR LASSYIAHLR QLLQEDRYEN GYVHPVNLTW PFVVSGRPDS DTKEVSAANR LCGTTA
<b>Source</b>	E.coli
<b>Target Names</b>	MSC
<b>Protein Names</b>	Recommended name: Musculin Alternative name(s): Activated B-cell factor 1 Short name= ABF-1 Class A basic helix-loop-helix protein 22 Short name= bHLHa22
<b>Expression Region</b>	1-206
<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 protein is a transcriptional repressor capable of binding an E-box element either as a homodimer or as a heterodimer with E2A in vitro. The encoded protein also forms heterodimers with E2A proteins in vivo. This protein is capable of inhibiting the transactivation capability of E47, an E2A protein, in mammalian cells. This gene is a downstream target of the B-cell receptor signal transduction pathway.
<b>Reconstitution</b>	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.
<b>Shelf Life</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.