



# Recombinant Human Mesoderm posterior protein 2 (MESP2)

<b>Product Code</b>	CSB-EP613150HU-B
<b>Abbreviation</b>	MESP2
<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>	Q0VG99
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MAQSPPPQSL LGHDHWIFAQ GWGWAGHWDS TSPASSSDSS GSCPCDGARG LPQPQPPSCS SRAAEAAATT PRRARTGPAG GQRQSASERE KLRMRTLARA LHELRRFLPP SLAPAGQSLT KIETLRLAIR YIGHLSAVLG LSEESLQCRR RQRGDAGSPW GCPLCPDRGP AEAQTQAEGQ GQGQGGQGQ GQGQGGQGQ GQGQGRRPGL VSAVLAEASW GSPSACPGAQ AAPERLGRGV HDTDPWATPP YCPKIQSPPY SSQGTTSDAS LWTPPQGCPW TQSSPEPRNP PVPWTAAPAT LELAAVYQGL SVSPEPCLSL GAPSLPHPS CQRLQPQTPG RCWSHSAEVV PNPSEDQGP AFQLSEASPP QSSGLRFSGC PELWQEDLEG ARLGIFY
<b>Source</b>	E.coli
<b>Target Names</b>	MESP2
<b>Protein Names</b>	Recommended name: Mesoderm posterior protein 2 Alternative name(s): Class C basic helix-loop-helix protein 6 Short name= bHLHc6
<b>Expression Region</b>	1-397
<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 member of the bHLH family of transcription factors and plays a key role in defining the rostrocaudal patterning of somites via interactions with multiple Notch signaling pathways. This gene is expressed in the anterior presomitic mesoderm and is downregulated immediately after the formation of segmented somites. This gene also plays a role in the formation of epithelial somitic mesoderm and cardiac mesoderm. Mutations in the MESP2 gene cause autosomal recessive spondylocostal dystosis 2 (SCD02).
<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.

### Shelf Life

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