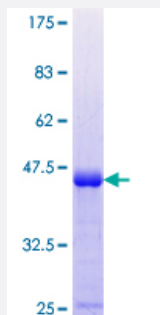


# MSC (Human) Recombinant Protein (Q02)

Catalog # H00009242-Q02

Size 25 ug, 10 ug

## Applications



## Specification

<b>Product Description</b>	Human MSC partial ORF ( NP_005089.1, 1 a.a. - 100 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Sequence</b>	MSTGSVSDPEEMELRGLQREYPVPASKRPPLRGVERSYASPSDNSSAEEEDPDGEEERCALGT AGSAEGCKRKRPRVAGGGGAGGSAGGGGKKPLPAKGS
<b>Host</b>	Wheat Germ (in vitro)
<b>Theoretical MW (kDa)</b>	36.74
<b>Interspecies Antigen Sequence</b>	Mouse (84); Rat (86)
<b>Preparation Method</b>	<a href="#">in vitro wheat germ expression system</a>
<b>Purification</b>	Glutathione Sepharose 4 Fast Flow
<b>Quality Control Testing</b>	12.5% SDS-PAGE Stained with Coomassie Blue.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
<b>Storage Instruction</b>	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	Best use within three months from the date of receipt of this protein.

## Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

## Gene Info — MSC

Entrez GeneID [9242](#)

GeneBank Accession# [NM\\_005098](#)

Protein Accession# [NP\\_005089.1](#)

Gene Name MSC

Gene Alias ABF-1, ABF1, MYOR, bHLHa22

Gene Description musculin (activated B-cell factor-1)

Omim ID [603628](#)

Gene Ontology [Hyperlink](#)

**Gene Summary** The protein encoded by this gene 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. [provided by RefSeq]

**Other Designations** activated B-cell factor 1, homolog of mouse musculin|activated B-cell factor-1|musculin

## Disease

- [Cleft Lip](#)
- [Cleft Palate](#)