



# Recombinant Mouse JE (MCP-1, CCL2)

20150227BB



**FOR RESEARCH ONLY! NOT FOR HUMAN USE!**

<b>Cat.-no.:</b>	<b>M10-026S</b>
Size:	2 µg
Lot. No.:	According to product label

### Sequence

QPDVAVNAPLT CCYSFTSKMI PMSRLESYKR ITSSRCPKEA  
VVFVTKLKRE VCADPKKEWV QTYIKNLDRN QMRSEPTTLF  
KTASALRSSA PLNVKLTRKS EANASTTFST TTSSTSVGVT SVTVN

### Database References

<b>Protein RefSeq:</b>	NP_035463.1
<b>Uniprot ID:</b>	P10148
<b>mRNA RefSeq:</b>	NM_011333.3

## Scientific Background

<b>Gene-ID (NCBI):</b>	20296
<b>Synonyms:</b>	Ccl2; JE; HC11; MCAF; MCP1; MCP-1; Scya2; Sigje; SMC-CF; AI323594

The MCP proteins belong to the CC chemokine family, and signal through CCR2 and, with the exception of MCP-1, other CCR receptors. The MCP proteins chemoattract and activate monocytes, activated T cells, basophils, NK cells, and immature dendritic cells. The MCP family cross reacts across species. Recombinant murine JE is a 13.8 kDa protein containing 125 amino acid residues including the four highly conserved cysteine residues present in the CC chemokines.

## Product Specifications

<b>Expressed in</b>	E. coli
<b>Purity</b>	> 98% by SDS-PAGE & HPLC analyses
<b>Endotoxin level</b>	< 0.1 ng /µg of protein (<1EU/µg).
<b>Formulation</b>	lyophilized
<b>Length (aa):</b>	125
<b>MW:</b>	13.8 kDa

**Biological Activity:** Determined by its ability to chemoattract Balb/C mouse spleen MNCs using a concentration range of 1.0-20.0 ng/ml.



**AVOID REPEATED FREEZE AND THAW CYCLES!**