

## Product datasheet for **TP723760**

### **IL34 (NM\_001135100) Mouse Recombinant Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Purified recombinant protein of Mouse interleukin 34 (IL34), transcript variant 1
<b>Species:</b>	Mouse
<b>Expression Host:</b>	CHO
<b>Expression cDNA Clone or AA Sequence:</b>	Mouse IL-34, the region of Met1- Pro235, from gene Accession# NM_001135100.1
<b>Tag:</b>	C-His
<b>Predicted MW:</b>	26 kDa
<b>Concentration:</b>	lot specific
<b>Purity:</b>	>98%, as determined by Coomassie stained SDS-PAGE.
<b>Buffer:</b>	10 mM NaH <sub>2</sub> PO <sub>4</sub> , 0.5 M NaCl, pH 7.4
<b>Bioactivity:</b>	The ED <sub>50</sub> is 20 - 30 ng/ml, corresponding to a specific activity of 3.3 - 5 x 10 <sup>4</sup> units/mg, determined by M-NFS-60 cell proliferation induction in a dose dependent manner.
<b>Endotoxin:</b>	Less than 0.01 ng per µg protein as determined by the LAL method
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Unopened vial can be stored between 2°C and 8°C for up to 2 weeks, at -20°C for up to 6 months, or at -70°C or below until the expiration date. Aliquots can be stored between 2°C and 8°C for up to one week and stored at -20°C or colder for up to 3 months. Avoid repeated freeze/thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_001128572</a>
<b>Locus ID:</b>	76527
<b>UniProt ID:</b>	<a href="#">Q8R1R4</a>
<b>RefSeq Size:</b>	1747
<b>Cytogenetics:</b>	8 E1
<b>RefSeq ORF:</b>	708
<b>Synonyms:</b>	2010004A03Rik; AI593503



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**Summary:**

Cytokine that promotes the proliferation, survival and differentiation of monocytes and macrophages. Promotes the release of proinflammatory chemokines, and thereby plays an important role in innate immunity and in inflammatory processes. Plays an important role in the regulation of osteoclast proliferation and differentiation, and in the regulation of bone resorption. Signaling via CSF1R and its downstream effectors stimulates phosphorylation of MAPK1/ERK2 AND MAPK3/ERK1 (By similarity).[UniProtKB/Swiss-Prot Function]