

## Recombinant Murine Interleukin-17C (rm IL-17C)

Mouse **Interleukin-17C** cDNA encodes a 194 amino acid (aa) residues protein with a putative 14 aa signal peptide. Although there are no potential Nlinked glycosylation sites, it is reportedly glycosylated. IL-17C shares from 15% to 30% aa sequence identity with other IL-17 family members. Mouse and human IL-17C share 83% aa sequence identity. IL-17C has a very restricted expression pattern and was detected as a rare expressed sequence tag (EST) in an adult prostate and fetal kidney libraries. IL-17C has been shown to stimulate the release of TNF $\alpha$  and IL1 $\beta$  from the monocytic cell line THP1, a property it shares with IL-17B. Human IL-17C is active on mouse cells. The receptor of IL-17C has not yet been identified.

Recombinant Murine IL-17C produced in *E.Coli* is a 20.2 kDa protein containing 194 amino acid residues.

<b>Synonyms :</b>	none
<b>Source:</b>	<i>Escherichia coli</i>
<b>AA Sequence:</b>	N-terminal Met
<b>Formulation:</b>	Lyophilisate from a 0.22 $\mu$ m filtered carrier free solution in 25 mM sodium acetate, pH 5.5 + 100 mM NaCl.
<b>Reconstitution:</b>	Reconstitute in sterile endotoxin free water not less than 100 $\mu$ g/ml
<b>Stability:</b>	The lyophilized protein is stable for at least 2 years at -20 <sup>0</sup> C. Reconstituted rm IL-17C is stable for at least 3 months when stored in concentrated working aliquots (100 ng/ $\mu$ l or higher) at -20 <sup>0</sup> C. Avoid repeated freeze/thaw cycles.
<b>Biological Activity:</b>	Measured by its ability to bind mL17RC in a functional ELISA with an estimated KD < 3 nM.
<b>Purity:</b>	95% (verified by SDS-PAGE / silver stain)
<b>Endotoxicity:</b>	The endotoxin level is less than 0.1 ng per $\mu$ g (1EU/ $\mu$ g) determined by LAL method
<b>Order N<sup>o</sup>:</b>	rmIL-17C +Size available sizes: 5 $\mu$ g, 25 $\mu$ g, 100 $\mu$ g

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