

## Recombinant Rat IL-12 p70

<b>Catalog No.</b>	CRI180A CRI180B CRI180C	<b>Quantity:</b>	2 µg 10 µg 0.1 mg
<b>Alternate Names:</b>	Interleukin-12		
<b>Description:</b>	Recombinant Rat interleukin-12 is a glycosylated disulfide linked heterodimeric polypeptide containing 503 amino acids comprised of disulfide-bonded 35 kDa (p35) and 40 kDa (p40) subunits.		
<b>Source:</b>	Sf9 insect cells		
<b>Molecular Weight:</b>	70 kDa		
<b>Formulation:</b>	Sterile filtered and then lyophilized with no additives.		
<b>Purity:</b>	< 95.8% as determined by analysis by RP-HPLC and SDS-PAGE.		
<b>Endotoxin Level:</b>	<0.1 ng/µg of protein.		
<b>Biological Activity:</b>	The ED <sub>50</sub> as determined by the stimulation of IFN-gamma production by mouse splenocytes co-stimulated with IL-12 and was found to be < 0.1 ng/ml, corresponding to a specific activity of >1 x 10 <sup>7</sup> units/mg.		
<b>Specific Activity:</b>	>1 x 10 <sup>7</sup> units/mg		
<b>Amino Acid Sequence:</b>	The sequence of the first five N-terminal amino acids is Arg-Val-Ile-Pro-Val at the p35 subunit and Met-Thr-Glu-Leu-Glu at the p40 subunit.		
<b>Reconstitution:</b>	<b>Centrifuge vial prior to opening.</b> It is recommended to reconstitute the lyophilized Interleukin 12 in sterile distilled water not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.		
<b>Storage &amp; Stability:</b>	Lyophilized protein is stable at room temperature for 3 weeks, but it is recommended to store the lyophilized product desiccated at -20°C to -80°C. Upon reconstitution, protein should be stored at 2-4°C for one week and for future use at -20°C to -80°C. Add a carrier protein (0.1% HSA or BSA) as a stabilizer for long term storage. <b>Please note that the addition of any carrier protein into this product may produce unwanted endotoxin. This depends upon the particular application employed. Avoid repeated freeze-thaw cycles.</b>		

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