

## Product datasheet for **TP720033L**

### **Il1b (NM\_008361) Mouse Recombinant Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Recombinant protein of mouse Interleukin-1B/IL-1B
<b>Species:</b>	Mouse
<b>Expression Host:</b>	E. coli
<b>Expression cDNA Clone or AA Sequence:</b>	Val118-Ser269
<b>Tag:</b>	Tag Free
<b>Predicted MW:</b>	17.4 kDa
<b>Concentration:</b>	lot specific
<b>Purity:</b>	>95% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	Provided lyophilized from a 0.2 µm filtered solution of 20 mM Tris-HCl, 150 mM NaCl
<b>Bioactivity:</b>	ED50 is less than 0.01 ng/ml as determined by the dose-dependent stimulation of mouse D10S cells. Specific Activity of 1.0 x 10 <sup>8</sup> IU/mg.
<b>Endotoxin:</b>	< 0.1 EU per µg protein as determined by LAL test
<b>Reconstitution Method:</b>	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. Dissolve the lyophilized protein in ddH <sub>2</sub> O. It is not recommended to reconstitute a concentration less than 100 µg/ml. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for at least 6 months from date of receipt under proper storage and handling conditions.
<b>RefSeq:</b>	<a href="#">NP_032387</a>
<b>Locus ID:</b>	16176
<b>UniProt ID:</b>	<a href="#">P10749</a>
<b>RefSeq Size:</b>	1328
<b>Cytogenetics:</b>	2 62.97 cM
<b>RefSeq ORF:</b>	807
<b>Synonyms:</b>	IL-; Il-1b; IL-1beta



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**Summary:**

The protein encoded by this gene is a member of the interleukin 1 cytokine family. This cytokine is produced by activated macrophages as a proprotein, which is proteolytically processed to its active form by caspase 1. The encoded protein plays a role in thymocyte proliferation and is involved in the inflammatory response. [provided by RefSeq, Aug 2015]

**Product images:**