

Product datasheet for TP723742

IL1b (NM_008361) Mouse Recombinant Protein

Product data:

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|---------------------------------------|--|
| Product Type: | Recombinant Proteins |
| Description: | Purified recombinant protein of Mouse interleukin 1 beta (IL1b) |
| Species: | Mouse |
| Expression Host: | E. coli |
| Expression cDNA Clone or AA Sequence: | Mouse IL-1beta;, the region of Val118-Ser269, from gene Accession# NM_008361 |
| Tag: | Tag Free |
| Predicted MW: | 17.4 kDa |
| Concentration: | lot specific |
| Purity: | Purity is >98%, as determined by Coomassie stained SDS-PAGE. |
| Buffer: | 10 mM NaH ₂ PO ₄ , 150 mM NaCl, pH 7.2 |
| Bioactivity: | The ED50 is 0.001 -0.005 ng/ml, corresponding to a specific activity of 1- 0.2 x 10 ⁹ units/mg, determined by the dose dependent stimulation of D10S cells proliferation |
| Endotoxin: | Less than 0.01 ng per ug protein as determined by the LAL method |
| Storage: | Store at -80°C. |
| Stability: | 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. |
| RefSeq: | NP_032387 |
| Locus ID: | 16176 |
| UniProt ID: | P10749 |
| RefSeq Size: | 1328 |
| Cytogenetics: | 2 62.97 cM |
| RefSeq ORF: | 807 |
| Synonyms: | 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: