

# Product datasheet for TP723741

## Il1a (NM\_010554) Mouse Recombinant Protein

### **Product data:**

#### **Product Type: Recombinant Proteins Description:** Purified recombinant protein of Mouse interleukin 1 alpha (II1a) Species: Mouse E. coli **Expression Host: Expression cDNA Clone** Mouse IL-1alpha;, the region of Ser115-Ser270, from gene Accession# NM\_010554 or AA Sequence: Tag: Tag Free Predicted MW: 18 kDa **Concentration:** lot specific **Purity:** Purity is >98%, as determined by Coomassie stained SDS-PAGE. **Buffer:** 10 mM NaH2PO4, 150 mM NaCl, pH 7.2 **Bioactivity:** The ED50 is 1-5 pg/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 Less than 0.01 ng per ug protein as determined by the LAL method Endotoxin: Store at -80°C. Storage: 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. NP 034684 RefSeq: Locus ID: 16175 UniProt ID: P01582, Q3U0Y6 RefSeq Size: 1974 Cytogenetics: 2 62.9 cM **RefSeq ORF:** 813 Synonyms: II-1a



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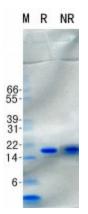
### OriGene Technologies, Inc.

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Summary: Produced by activated macrophages, IL-1 stimulates thymocyte proliferation by inducing IL-2 release, B-cell maturation and proliferation, and fibroblast growth factor activity. IL-1 proteins are involved in the inflammatory response, being identified as endogenous pyrogens, and are reported to stimulate the release of prostaglandin and collagenase from synovial cells. [UniProtKB/Swiss-Prot Function]

## **Product images:**



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