

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 (Il1a)
Species:	Mouse
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	Mouse IL-1alpha;, the region of Ser115-Ser270, from gene Accession# NM_010554
Tag:	Tag Free
Predicted MW:	18 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 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
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_034684
Locus ID:	16175
UniProt ID:	P01582 , Q3U0Y6
RefSeq Size:	1974
Cytogenetics:	2 62.9 cM
RefSeq ORF:	813
Synonyms:	Il-1a



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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: