

## Product datasheet for **TP720032M**

### Il1a (NM\_010554) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of mouse interleukin-1a/IL-1a
Species:	Mouse
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	Ser115-Ser270
Tag:	Tag Free
Predicted MW:	18 kDa
Concentration:	lot specific
Purity:	>95% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Provided lyophilized from a 0.2 µm filtered solution of 20 mM Tris-HCl, 150 mM NaCl
Bioactivity:	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.
Endotoxin:	< 0.1 EU per µg protein as determined by LAL test
Reconstitution Method:	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.
Storage:	Store at -80°C.
Stability:	Stable for at least 6 months from date of receipt under proper storage and handling conditions.
RefSeq:	<a href="#">NP_034684</a>
Locus ID:	16175
UniProt ID:	<a href="#">P01582</a> , <a href="#">Q3U0Y6</a>
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:**