

## Product datasheet for **TP723747**

### **IL6 (NM\_031168) Mouse Recombinant Protein**

#### **Product data:**

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse interleukin 6 (IL6)
Species:	Mouse
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	Mouse IL-6, the region of Phe25-Thr211, from gene Accession# NM_031168
Tag:	Tag Free
Predicted MW:	21.9 kDa
Concentration:	lot specific
Purity:	Purity is >98%, as determined by Coomassie stained SDS-PAGE.
Buffer:	Sodium Acetate and EDTA
Bioactivity:	The ED50 is less than 0.01 ng/ml, corresponding to a specific activity of > 1 x 10 <sup>8</sup> units/mg, determined by the dose dependent stimulation of 7TD1 cell 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:	<a href="#">NP_112445</a>
Locus ID:	16193
UniProt ID:	<a href="#">P08505</a>
RefSeq Size:	1087
Cytogenetics:	5 15.7 cM
RefSeq ORF:	633
Synonyms:	Il; IL-6


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**Summary:**

This gene encodes a member of the interleukin family of cytokines that have important functions in immune response, hematopoiesis, inflammation and the acute phase response. The ectopic overexpression of the encoded protein in mice results in excessive plasma cells in circulation, leading to death. Mice lacking the encoded protein exhibit abnormalities in hepatic acute phase response, some immune mechanisms, bone resorption in response to estrogen, liver regeneration and wound healing. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Sep 2015]