

Product datasheet for TP723241

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:	MFPTSQVRRG DFTEDTPNR PVYTTSQVGG LITHVLWEIV EMRKELCNGN SDCMNNDAL AENNLKLEI QRNDGICYQTG YNQEICLLKI SGLLEYHSY LEYMKNLKD NKKDKARVLQ RDTETLIHIF NQEVKDLHKI VLPTPISNAL LTKLESQKE WLRTKTIQFI LKSLEEFKLV TLRSTRQT
Tag:	Tag Free
Predicted MW:	21.7 kDa
Concentration:	lot specific
Purity:	>95% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Lyophilized from a 0.2 μM filtered solution of 20mM phosphate buffer, 100mM NaCl, pH 7.2
Bioactivity:	The ED50 as determined by the dose-dependent stimulation of the proliferation of IL-6-dependent murine 7TD1 cells is < 0.02 ng/ml, corresponding to a specific activity of ≥ 5 x 10 ⁷ units/mg.
Endotoxin:	Endotoxin level is < 0.1 ng/μg of protein (< 1 EU/μg)
Storage:	Store at -80°C.
Stability:	Stable for at least 6 months from date of receipt under proper storage and handling conditions.
RefSeq:	NP_112445
Locus ID:	16193
UniProt ID:	P08505 , A2RTD1
RefSeq Size:	1087
Cytogenetics:	5 15.7 cM
RefSeq ORF:	633
Synonyms:	II; II-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]

Product images: