

## Product datasheet for TP501274

### II15 (NM\_008357) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse interleukin 15 (II15), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR201274 protein sequence Red=Cloning site Green=Tags(s)
	MKILKPYMRNTSISCYLCFLLNHFLTEAGIHVFI LGCVSVGLPKTEANWIDVRYDLEKIESLIQSIHID TTLYTDSDFHPSCKV TAMNCFLELQVILHEYSNM T LNETVRNVLYLANSTLSSNKNVAESGCKECEELE EKTFTFLQSFIRIVQMFINTS
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	18.6 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_032383</a>
Locus ID:	16168
UniProt ID:	<a href="#">P48346</a> , <a href="#">Q3U1Z6</a>
RefSeq Size:	1297
Cytogenetics:	8 39.33 cM



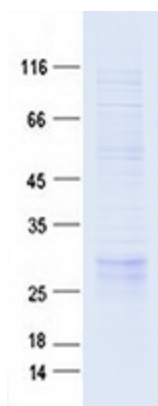
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RefSeq ORF: 489

Synonyms: AI503618; IL-15

**Summary:** This gene encodes a pleiotropic cytokine of the interleukin family of proteins that plays important roles in the innate and adaptive cell homeostasis, as well as peripheral immune function. The encoded protein undergoes proteolytic processing to generate a mature cytokine that stimulates the proliferation of natural killer cells. The transgenic mice overexpressing the encoded protein exhibit an increase in the number of memory CD8+ T cells in a naive state and enhanced protection against bacterial infections. Mice lacking the encoded protein exhibit impaired protection against a strain of attenuated Mycobacterium. [provided by RefSeq, Aug 2016]

### Product images:



Purified recombinant protein IL15 was analyzed by SDS-PAGE gel and Coomassie Blue Staining.