

## Product datasheet for **TP727085**

### IL9 Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Mouse IL-9
Species:	Mouse
Expression cDNA Clone or AA Sequence:	Gln19-Pro144
Tag:	C-His
Buffer:	Lyophilized from a 0.2 um filtered solution of PBS, pH 7.4.
Note:	Recombinant Mouse Interleukin-9 is produced by our Mammalian expression system and the target gene encoding Gln19-Pro144 is expressed with a 6His tag at the C-terminus.
Stability:	12 months from date of despatch
Locus ID:	16198
UniProt ID:	<a href="#">P15247</a>
Summary:	Interleukin-9 (IL-9) is a secreted protein that belongs to the IL-7/IL-9 family. Mature mouse IL-9 shares 57% and 74% amino acid sequence identity with human and rat IL-9, respectively. IL-9 supports IL-2 independent and IL-4 independent growth of helper T-cells. IL-9 stimulates cell proliferation and prevents apoptosis. It functions through the IL-9 receptor (IL-9R), which activates different signal transducer and activator (STAT) proteins and thus connects this cytokine to various biological processes. IL-9 has been identified as a candidate gene for asthma. IL-9 is a determining factor in the pathogenesis of bronchial hyperresponsiveness.



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