

Product datasheet for **TP728363**

Recombinant IL-9 (Interleukin-9), Mouse

Product data:

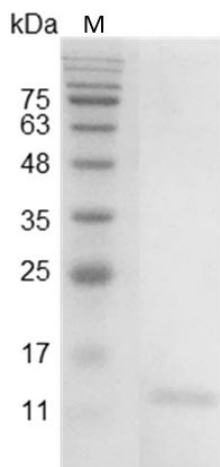
Product Type:	Recombinant Proteins
Description:	Recombinant IL-9 (Interleukin-9), Mouse
Species:	Mouse
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	QRCSTTWGIRDNTNYLIENLKDDPPSKCSCSGNVTSCCLSVPTDDCTTPCYREGLLQLTNATQKSRLLPVFH RVKRIVEVLKNITCPSFSCEKPCNQTMAGNTLSFLKSLGTFQKTEMQRQKSRP with polyhistidine tag at the N-terminus.
Tag:	His Tag (N-term)
Predicted MW:	14.97 kDa
Purity:	>98% as determined by SDS-PAGE.
Buffer:	The protein was lyophilized from a 0.2 µm filtered solution containing 1X PBS, pH 7.4.
Bioactivity:	Measure by its ability to induce proliferation in MO7e cells. The ED ₅₀ for this effect is <0.2 ng/mL. The specific activity of recombinant mouse IL-9 is > 5 x 10 ⁶ IU/mg.
Endotoxin:	<0.1 EU per 1 µg of the protein by the LAL method.
Reconstitution Method:	Centrifuge at 3000 rpm for 5 mins before opening. It is recommended to reconstitute the lyophilized protein in sterile H ₂ O to a concentration not less than 100 µg/mL and incubate the stock solution at room temperature for at least 20 mins to ensure sufficient re-dissolved. Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.
Applications:	Cell culture
Storage:	Lyophilized protein should be stored at -20°C for 1 year. Upon reconstitution, store at 2°C to 8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1% BSA, 10%FBS, 5%HSA or 5% trehalose solution), protein aliquots should be stored at -20°C or -80°C for 3-6 months. Avoid repeated freeze/thaw cycles.
UniProt ID:	P15247
Synonyms:	p40 cytokine, T-cell growth factor p40



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Summary:

Interleukin 9, also known as IL-9, is a pleiotropic cytokine (cell signalling molecule) belonging to the group of interleukins. IL-9 is produced by variety of cells like mast cells, NKT cells, Th2, Th17, Treg, ILC2, and Th9 cells in different amounts. Among them, Th9 cells are regarded as the major CD4+ T cells that produce IL-9.

Product images:

SDS- PAGE analysis of recombinant mouse IL-9