

Active Recombinant Mouse Il28a Protein

Cat. No. Il28a-5202M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Mouse Il28a (Q4VK74) partial recombinant protein expressed in Escherichia coli.
Species	Mouse
Source	E.coli
Description	Interleukin-28 (IL-28) is a cytokine that comes in two isoforms, IL-28A and IL-28B, and plays a role in immune defense against viruses, including the induction of an "antiviral state" by turning on Mx proteins, 2',5'-oligoadenylate synthetase as well as ISGF3G (Interferon Stimulated Gene Factor 3). IL-28A and IL-28B belong to the type III interferon family of cytokines and are highly similar (in amino acid sequence) to IL-29. Their classification as Interferons is due to their ability to induce an antiviral state, while their additional classification as cytokines is due to their chromosomal location as well as the fact that they are encoded by multiple exons, as opposed to a single exon, as most type-I IFNs are.
Form	Lyophilized
Bio-activity	Determined by its ability to activate STAT following receptor-ligand interaction.
Molecular Mass	25.0 kDa
AA Sequence	MDPVPRATRLPVEAKDCHIAQFKSLSPKELQAFKKAKDAIEKRLLEKDMRCSSHLISR AWDLKQLQVQERPKALQAEVALTLKVWENMTDSALATILGQPLHTLSHIHSQLQTCT QLQATAEPKPPSRRLSRWLHRLQEAQSKETPGCLEDSVTSNLFRLLTRDLKCVASG

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

	DQCV
Endotoxin	Endotoxin level is < 0.1 ng/μg (< 1 EU/μg).
Purity	98%
Applications	Functional Study SDS-PAGE
Usage	Activity assay SDS-PAGE The optimal working dilution should be determined by the end user.
Storage	Store at -20 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	Lyophilized from solutions contain no sodium azide nor carrier protein

GENE INFORMATION

Gene Name	Il28a interleukin 28A [Mus musculus]
Official Symbol	Il28a
Synonyms	IL28A; interleukin 28A; interleukin-28A; IFN-lambda2; IFN-lambda-2; interferon-lambda2; interferon lambda-2; Ifnl2; IL-28A; EG330496;
Gene ID	330496
mRNA Refseq	NM_001024673
Protein Refseq	NP_001019844

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