

Product datasheet for TP728350S

OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

Recombinant IL-28A (Interleukin-28A), Mouse

Product data:

Product Type: Recombinant Proteins

Description: Recombinant IL-28A (Interleukin-28A), Mouse

Species: Mouse Expression Host: E. coli

Expression cDNA Clone

or AA Sequence:

MDPVPRATRLPVEAKDCHIAQFKSLSPKELQAFKKAKDAIEKRLLEKDMRCSSHLISRAWDLKQLQVQERP KALQAEVALTLKVWENMTDSALATILGQPLHTLSHIHSQLQTCTQLQATAEPKPPSRRLSRWLHRLQEAQ

SKETPGCLEDSVTSNLFRLLTRDLKCVASGDQCV with polyhistidine tag at the C-terminus.

Tag: His Tag (C-term)

Predicted MW: The protein has a calculated MW of 20.61 kDa. The protein migrates as 17-25 kDa under

reducing condition (SDS-PAGE analysis).

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 protect HepG2 cells infected with encephalomyocarditis (EMC) virus.

The ED₅₀ for this effect is <2 ng/mL.

Endotoxin: $< 0.1 \text{ EU per 1} \mu \text{g of the protein by the LAL method.}$

Reconstitution Method: Centrifuge at 3000 rpm for 5 mins before opening. It is recommended to reconstitute the

lyophilized protein in sterile H_2O to a concentration not less than 100 $\mu g/mL$ 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.

Synonyms: IFN-λ2

Summary: Interleukin 28A (IL-28A) predicts a molecular mass of 22.3 kDa. IL-28 comes in two isoforms,

IL-28A and IL-28B, and plays a role in immune defense against viruses, including the

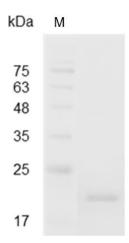
induction of an "antiviral state" by turning on Mx proteins, 2',5'-oligoadenylate synthetase as

well as ISGF3G.





Product images:



SDS- PAGE analysis of recombinant mouse IL-28A