

Product Data Sheet

Animal-Free IL-34 Protein, Mouse (His)

Cat. No.:	HY-P700209AF	
Synonyms:	Interleukin-34; IL-34; C16orf77	
Species:	Mouse	
Source:	E. coli	
Accession:	Q8R1R4 (N21-P235)	
Gene ID:	76527	
Molecular Weight:	Approximately 25.52 kDa	

RUPERTIES				
PROPERTIES				
AA Sequence	M N E N L E I WT LT Q D K E C DI N Y R I A V P Y EG V L R V A NN A T E S V M D V LL E G H P S WP H V E A V L S L LS T P G L S LC K Q S P I L K W QD C E L P R LP T S L P G S P S SS H G S L P	L T G Y L R G K L Q Y K N I T R L Q K A H V S E R E K Y L Q E V Q T L L E N V K L V R P K A L L D N C F H P H S P G S L M Q C T A	R L Q Y M K H Y F L R Y L W V L V S Q R S L M D V E I R V M E L L Y C S T N V Y P L S R Q	
Biological Activity	Measure by its ability to induce proliferation	in NFS-60 cells. The ED ₅₀ for this effec	t is <30 ng/mL. The spe	
	recombinant mouse IL-34 is > 3.3 x 10 ⁴ IU/mg.			
Appearance	Lyophilized powder.			
Formulation	Lyophilized from a solution containing 1X PBS, pH 7.4.			
Endotoxin Level	<0.1 EU per 1 μg of the protein by the LAL method.			
Reconsititution	It is not recommended to reconstitute to a concentration less than 100 $\mu\text{g}/\text{mL}$ in ddH_2O.			
Storage & Stability	Stored at -20°C for 2 years. After reconstitution recommended to freeze aliquots at -20°C or -	on, it is stable at 4°C for 1 week or -20° -80°C for extended storage.	C for longer (with carrie	
Shipping	Room temperature in continental US; may vary elsewhere.			

DESCRIPTION
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Background

MAPK1/ERK2 and MAPK3/ERK1. Structurally, IL-34 exists as a homodimer, and its intricate involvement in immune regulation and bone homeostasis highlights its significance in orchestrating cellular responses and maintaining tissue integrity.

Caution: Product has not been fully validated for medical applications. For research use only.

 Tel: 609-228-6898
 Fax: 609-228-5909
 E-mail: tech@MedChemExpress.com

 Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA