
Product Data Sheet

Product Name: IL34 Mouse
 Cat. No.: GP20653
 Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Interleukin-34; IL-34; I134.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MNENLEIWTL TQDKECDLTG YLRGKLQYKN RLQYMKHYFP INYRIAVPYE GVLRVANITRLQKAHVSERE LRYLWVVLVSL NATESVMDVL LEGHPSWKYL QEVQTLEENV QRSLMDVEIG PHVEAVLSLLSTPGLSLKLV RPKALLDNCF RVMELLYCSC CKQSPILKWQ DCELPRLPH SPGSLMQCTA TNVYPLSRQTPTSLPGSPSS SHGSLP.		
Formulation	IL34 protein solution (0.5mg/ml) in 20mM Tris-HCl buffer (pH 8.0) and 10% Glycerol.		

Introduction

Interleukin 34 (IL34) is a cytokine that promotes the differentiation and viability of monocytes and macrophages through the colony-stimulating factor-1 receptor and is a part of a group of cytokines called interleukins. IL34 increases growth or survival of immune cells known as monocytes. IL34 protein obtains its activity by binding the Colony stimulating factor 1 receptor. Interleukin 34 has also a potential part in viral infection, the adaptive immune response and bone marrow cell proliferation. Furthermore, IL34 plays an important role in innate immunity and in inflammatory processes.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

IL34 Mouse Recombinant produced in E.Coli is a single, non-glycosylated polypeptide

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

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chain containing 236 amino acids (21-235 a.a) and having a molecular mass of 26.8kDa. IL34 is fused to a 21 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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