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IL34 Human

Interleukin-34 Human Recombinant
CYK0428

Product Overview

Name	IL34 Human
Description	
Interleukin-34 Human Recombinant	
Accession (Primary)	Q6ZMJ4
Synonyms	
Interleukin 34, C16orf77, MGC34647, IL34	

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.

Source

CHO cells.

Physical Appearance

Sterile Filtered White lyophilized (freeze-dried) powder.

Formulation

Lyophilized from a sterile (0.2 µ) filtered solution containing phosphate buffered saline (PBS).

Stability

Lyophilized IL34 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IL34 Human should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Purity

Greater than 95.0% as determined by SDS-PAGE.

Amino acid sequence

NEPLEMWPLT QNEECTVTGF LRDKLQYRSR LQYMKHYFPI NYKISVPYEG VFRIANVTRLQRAQVSEREL RYLWVLVSLS ATESVQDVLL EGHPSWKYLQ EVETLLLNVQ QGLTDVEVSPKVESVLSLLN APGPNLKLVR

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PKALLDNCFR VMELLYCSCC KQSSVLNWQD CEVPSPQSCSPEPSLQYAAT QLYPPPPWSP SSPPHSTGSV RPVRAQGEGL LP HHHHHH

Solubility

It is recommended to reconstitute the lyophilized IL34 in sterile water at a concentration of 0.1 mg/ml, which can then be further diluted to other aqueous solutions.

Precautions

IL34 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q6ZMJ4)