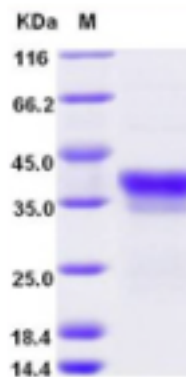


IL34

Recombinant Human Interleukin-34, His Tag

Catalog No.	CRA028A CRA028B CRA028C	Quantity:	10 µg 100 µg 1.0 mg
Alternate Names:	Interleukin-34, IL-34		
Description:	IL-34 is a homodimeric cytokine expressed in a range of tissues including spleen, heart, brain, liver, kidney, lung, ovary, thymus, testis, small intestine, prostate and colon. IL-34 is a ligand for colony-stimulating factor-1 receptor (CSF1R), which also binds to CSF-1. It binds CD14+ monocytes, promotes survival and proliferation of human peripheral blood monocytes, and stimulates macrophage colony formation by human bone marrow cells. IL-34, like human CSF-1 stimulates phosphorylation of MAPK1/ERK2 and MAPK3/ERK1.		
UniProt ID:	Q6ZMJ4		
Source:	CHO cell line		
Protein Construction:	A DNA sequence encoding the human IL34 (Met1-Pro242) was expressed with a polyhistidine tag at the C-terminus.		
Molecular Weight:	26.7 kDa predicted (233 aa subunit) homodimer		
Formulation:	Lyophilized from sterile-filtered PBS, 5% trehalose, 5% mannitol, 0.01% Tween-80		
Purity:	> 95% by SDS-PAGE		
Endotoxin Level:	< 1 EU/µg by LAL analysis		
N-terminus:	Asn 21		
Biological Activity:	ED50 = 2-8 ng/ml, determined by dose-dependent proliferation of PBMCs		
Reconstitution:	Centrifuge vial prior to opening. Reconstitute in sterile deionized water to a concentration of 0.25 mg/ml. Do not vortex. Use within 1 week at 2-8°C or freeze.		
Storage & Stability:	Upon receipt, store at -20°C to -80°C. Following reconstitution, it is recommended to add a carrier protein (example 0.1% BSA) and store in working aliquots at -20°C to -80°C. Avoid repeated freeze/thaw cycles.		

SDS-PAGE rhIL-34



cellsciences.com

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.



Cell Sciences®
65 Parker Street
Unit 11
Newburyport, MA 01950

Toll Free: 888-769-1246
Phone: 978-572-1070
Fax: 978-992-0298

E-mail: info@cellsciences.com
Website: www.cellsciences.com