

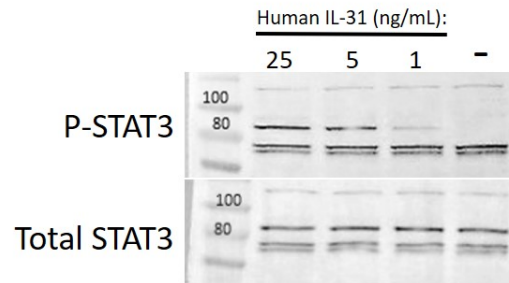
IL31

Recombinant Human Interleukin-31

Catalog No.	CRI201A CRI201B CRI201C	Quantity:	2 µg 10 µg 1.0 mg
Alternate Names:	IL-31, IL31		
Description:	Interleukin-31 is a T-cell derived cytokine that shares several structural and functional characteristics with IL-6, Oncostatin M, LIF, and Cardiotrophin-1. It signals through a receptor complex comprised of GPL (GP130-like, IL-31RA) and OSMR (Oncostatin M receptor). GPL/OSMR signaling is a strong activator of STAT3 and STAT5, and can also activate STAT1, Jak1, and Jak2 signaling pathways. IL-31 regulated immune responses have been implicated in skin physiology and inflammatory skin diseases.		
Gene ID:	386653		
UniProt ID:	Q6EBC2		
Source:	<i>E. coli</i>		
Molecular Weight:	15.8 kDa (141 aa)		
Formulation:	Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 20 mM sodium phosphate, 50 mM sodium chloride, pH 7.5		
Purity:	≥ 95% by reducing and non-reducing SDS-PAGE		
Endotoxin Level:	≤ 1EU/µg, determined by kinetic LAL analysis.		
Biological Activity:	< 25 ng/ml, determined by inducing STAT3 activation of U-87 MG human glioblastoma/astrocytoma cells.		
Amino Acid Sequence:	SHTLPVRLLR PSDDVQKIVE ELQSLSKMLL KDVEEEKGVL VSQNYTLPLCL SPDAQPPNNI HSPAIRAYLK TIRQLDNKSV IDEIIEHLDK LIFQDAPETN ISVPTDTHC KRFILTISQQ FSECMDLALK SLTSGAQQAT T		
Reconstitution:	Centrifuge vial prior to opening. Add sterile distilled water to a concentration of 0.1 mg/mL and gently pipet the solution up and down the sides of the vial. DO NOT VORTEX. Allow several minutes for reconstitution. A small amount of precipitate may be seen.		
Storage & Stability:	Store as supplied at -20°C to -80°C for up to 1 year. Upon reconstitution, prepare working aliquots and store at -20°C to -80°C. It is recommended that a carrier protein such as 0.1% HSA or BSA is added for long term storage. Avoid repeated freeze-thaw cycles.		



Human IL-31 Induced Activation of STAT3 in U-87MG Cells



Stimulation time: 10 min.

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



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