

Mouse recombinant IL-30 (Interleukin-30) protein, AF

Catalog Number: PROTQ8K3I6-1

Submit a product review to Biocompare.com

[Submit a review of this product](#) to Biocompare.com to receive a \$20 Amazon giftcard! Your reviews help your fellow scientists make the right decisions. Thank you for your contribution.



Overview

Product Name	Mouse recombinant IL-30 (Interleukin-30) protein, AF
Description	Interleukin 30 (IL-30) forms one chain of the heterodimeric cytokine called interleukin 27 (IL-27), thus it is also called IL27 p28, it predicts a molecular mass of 24.9 kDa. IL-30, the p28 subunit that forms IL-27 together with EBI3 and is also known as IL-27 p28 or IL-27A, has been considered a surrogate to represent IL-27. It was initially thought to be an IL-12-like cytokine promoting Th1 immunity because of its ability to induce T-bet and IL-12Rbeta2 expression through STAT1 activation during Th1 differentiation.
Size	5ug,20ug,100ug
Tag	His Tag (C-term)
Form	Lyophilized
Source	Escherichia coli
Formulation	The protein was lyophilized from a 0.2 um filtered solution containing 1X PBS, pH 7.4. If you have any concerns or special requirements, please confirm with us.

Storage

Lyophilized protein should be stored at -20°C for 1 year. Upon reconstitution, store at 2°C to 8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1% BSA, 10%FBS, 5%HSA or 5% trehalose solution), protein aliquots should be stored at -20°C or -80°C for 3-6 months. Avoid repeated freeze/thaw cycles.

Purity

>98% as determined by SDS-PAGE.

Molecular weight

The protein has a calculated MW of 24.51 kDa. The protein migrates about 25 kDa under reducing condition (SDS-PAGE analysis).

Activity

Measure by its ability to protect HepG2 cells infected with encephalomyocarditis (EMC) virus. The ED₅₀ for this effect is <5 ng/mL.

Endotoxin

<0.1 EU per 1 ug of the protein by the LAL method.

Amino Acid Sequence

MFPTDPLSLQELRREFTVSLYLARKLLSEVQGYVHSFAESRLPGVNLDLLPLGYHLPNVSLTFQAWHHLSDSERLCFLATTLRPFAMPGLGTQGTWTSS
EREQLWAMRLDLRDLHRHLRFQVLAAGFKCSKEEDKEEEEEEEEEKKLPLGALGGPNQVSSQVSWPQLLYTYQLLHSELVLSRAVRDLLLLSLPRRPG
SAWDS with polyhistidine tag at the C-terminus.

Reconstitution

Centrifuge at 3000 rpm for 5 mins before opening. It is recommended to reconstitute the lyophilized protein in sterile H₂O to a concentration not less than 100 ug/mL and incubate the stock solution at room temperature for at least 20 mins to ensure sufficient re-dissolved. Do Not Vortex!
Vigorous shaking may impair the biological activity of the protein.

Usage

Boster's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

[Mouse recombinant IL-30 \(Interleukin-30\) protein, AF](#)

For Research Use Only. Not for use in diagnostic procedures.