



Interleukin-12, p40, His Tag, human recombinant (rHuIL-12 p40-His)

Catalog No: 95020
Lot No: XXXXX
Source: *E. coli*
Synonyms: NKSF2, CTL maturation factor (TCMF), Cytotoxic lymphocyte maturation factor 40 kDa subunit (CLMF p40), TSF, Edodekin-alpha, IL-12 p40, IL-12B, IL-12 subunit p40, NK cell stimulatory factor chain 2

Background

Active IL-12 is a p70 disulphide-linked dimer composed of p35 and p40 subunits. The protein is a pleiotropic cytokine produced primarily by antigen presenting cells and has multiple effects on T lymphocytes and natural killer cells in terms of stimulating cytotoxicity, proliferation, production of other cytokines and Th1 subset differentiation.

Description

Interleukin-12 p40 His human recombinant produced in *E. coli* is single, a non-glycosylated, polypeptide chain containing 306 amino acids (23-328) with an N-terminal hexahistidine tag. IL-12 p40 His is purified by proprietary chromatographic techniques.

Physical Appearance

Sterile filtered clear solution.

Formulation

Interleukin-12 p40 His is supplied in 1xPBS and 50% glycerol.

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. Please avoid freeze thaw cycles.

Purity

Greater than 95.0% as determined by (a) Analysis by RP-HPLC, (b) Analysis by SDS-PAGE.

Usage

This product is offered by Biomol for research purposes only. Not for diagnostic purposes or human use. It may not be resold or used to manufacture commercial products without written approval of Biomol GmbH.