



Product Datasheet

Product Name	Interleukin-12 p40 Human Recombinant
Cata No	CB500390
Source	<i>Escherichia Coli.</i>
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.

Description

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. Interleukin-12 p40 Recombinant produced in E.Coli is single, a non-glycosylated, His Human polypeptide chain containing 306 amino acids fragment (23-328) with an amino-terminal hexahistidine tag.

The IL-12 p40 His is purified by proprietary chromatographic techniques

Physical Appearance

Sterile Filtered clear solution.

Purity

Greater than 95.0% as determined by:

- (a) Analysis by RP-HPLC.
- (b) Analysis by SDS-PAGE.

Formulation

Interleukin-12 p40 His is supplied in 20mM Tris HCL pH=8 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.