

## **Recombinant Human Interleukin-12 p40, His (IL-12 p40 Human)**

Source: E.Coli

Catalog No.: CYT-488

### Introduction:

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 fragment (23-328) with an amino-terminal hexahistidine tag. The IL-12 p40 His is purified by proprietary chromatographic techniques.

### 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.

### Physical Appearance:

Sterile Filtered clear solution.

### 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.

### Purity:

Greater than 95.0% as determined by:

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

### Usage:

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

BioSupply UK Limited  
[www.biosupply.co.uk](http://www.biosupply.co.uk)  
T: 0870 760 5152  
F: 0871 236 4352  
E: [sales@biosupply.co.uk](mailto:sales@biosupply.co.uk)