Recombinant Human IL-12/23 p40, Fc/His-tagged

Cat. No. p40-P1008H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human IL-12/23 p40 fused with Fc fragment of Human IgG or His tag was expressed in CHO.
Species	Human
Source	CHO
Description	Bioactive interleukin-12 p70 (IL-12p70) is a heterodimer composed of 2 subunits: p35 and p40. Although p35 is expressed in numerous cell types, p40 expression ismore restricted and determines the ability of a given cell-type to produce bioactive IL-12. However, in the cells that are capable of producing both IL-12 subunits, it is the p35 subunit, produced in much lower amounts than p40, that plays the role of a limiting factor and determines the amount of bioactive IL-12 p70 that is secreted. IL-12 p70 heterodimer is a major Th1-driving cytokine. In contrast, p40 homodimer, secreted by antigen presenting cells (APCs) in the absence of p35 production, and to a lesser extent the p40 monomer, were shown to act as antagonists of mouse and human IL-12 receptors and to inhibit IL-12–dependent immune functions in vitro andin vivo.
Predicted N Terminal	IWELKKDVYV
Form	Normally 20-50mM NaAC-HAC and 100-150 mM NaCl are added, pH 5.0-6.0.
Molecular Mass	Recombinant human p40 comprises 538 and 312 amino acids of p40-Fc and p40-6His, respectively. It is about 80 kDa and 52 kDa of p40-Fc and p40-6His under reducing conditions, respectively.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Endotoxin	<1.0EU per 10 mg protein as determined by the LAL method
Purity	>95% as determined by SDS-PAGE and HPLC
Stability	Samples are stable for up to six months from date of receipt at -20 centigrade and are stable for two months at 4 centigrade.
Storage	Store it under sterile conditions at -70 centigrade upon receiving. Recommend to pack the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA