

IL-12B Protein, Mesocricetus auratus, Recombinant (His & Myc)

General Information

Synonyms:	IL12B;IL-12B;IL-12 subunit p40;Cytotoxic lymphocyte maturation factor 40 kDa subunit (CLMF p40);Interleukin-12 subunit beta
Protein Construction:	23-327 aa
Species:	Mesocricetus auratus
Expression Host:	E. coli
Accession:	Q8CJE6
Molecular Weight:	39.8 kDa (predicted)
AA Sequence:	IWELEKDVYVVEVDWSPDAAGERVVLTCDTSEEDDIIWTSKNSAVGSGKTLTIQVKEFSNAGQYTCHKGGK TLSHSRLLLHKKENGIWSTDILKDQKDPKNKFLKCEAANYSGRFTCWWLTAISTDLKFNVKSSSSSSDSRAVT CGAASLSAEKVTVDKDYQKYSVACQEDITCPTAEETLPIGLVMEAQHKYKYENYSTGFFIRDIIKPDPPKNLQL KPLRGSQMELSWEPDSWSTPHSYFSLKFHVQVHRKRERKDESQFVDKTSATIRCSKGAEVRVRAQDHYYN SSWSRWVSVPCS

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 85% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.

Preparation and Storage

Reconstitution:

Reconstitute the lyophilized protein in sterile deionized water. The product concentration should not be less than 100 μg/mL. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

A DRUG SCREENING EXPERT

Cytokine that can act as a growth factor for activated T and NK cells, enhance the lytic activity of NK/lymphokine-activated killer cells, and stimulate the production of IFN-gamma by resting PBMC.; Associates with IL23A to form the IL-23 interleukin, a heterodimeric cytokine which functions in innate and adaptive immunity. IL-23 may constitute with IL-17 an acute response to infection in peripheral tissues. IL-23 binds to a heterodimeric receptor complex composed of IL12RB1 and IL23R, activates the Jak-Stat signaling cascade, stimulates memory rather than naive T-cells and promotes production of proinflammatory cytokines. IL-23 induces autoimmune inflammation and thus may be responsible for autoimmune inflammatory diseases and may be important for tumorigenesis.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only· Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481