

IL-12 Protein, Mouse (HEK293)

Cat. No.:	HY-P70666
Synonyms:	IL-12; Interleukin 12; Interleukin-12 subunit alpha; IL-12A; Cytotoxic lymphocyte maturation factor 35 kDa subunit; CLMF p35; IL-12 subunit p35; Interleukin-12 subunit beta; IL-12B; Cytotoxic lymphocyte maturation factor 40 kDa subunit; CLMF p40; IL-12 subunit p40;
Species:	Mouse
Source:	HEK 293
Accession:	P43432 (M23-S335)&P43431 (R23-A215)
Gene ID:	16160& 16159
Molecular Weight:	40-55&20-25 kDa

PROPERTIES

AA Sequence	<pre> MWELEKDVYV V EVDWTPDAP GETVNLTCDT PEEDDITWTS DQRHGVIGSG KTLTITVKEF LDAGQYTCHK GGETLSHSHL LLHKKENGIW STEILKNFKN KTFLKCEAPN YSGRFTCSWL VQRNMDLKFN I KSSSSSPDS RAVTCGMASL SAEKVTL DQR DYEKYSVSCQ EDVTCPTAEE TLPIELALEA RQQNKYENYS TSFFIRDIIK PDPPKNLQMK PLKNSQVEVS WEYPDSWSTP HSYFSLKFFV RIQRKKEKMK ETEEGCNQKG AFLVEKTSTE VQCKGGNVCV QAQDRYYNSS CSKWACVPCR VRS & : RVIPVSGPAR CLSQSRNLLK TTDDMVKTAR EKLKHYSCTA EDIDHEDITR DQTSTLKTCL PLELHKNES C LATRETSSTT RGSCLPPQKT SLMMTLCLGS IYEDLKMYQT EFQAINAALQ NHNHQQIILD KGMLVAIDEL MQSLNHNGET LRQKPPVGEA DPYRVKMKLC ILLHAFSTRV VTINRVMGYL SSA </pre>
Biological Activity	Data is not available.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer. It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background

IL-12, Mouse (HEK293) Interleukin-12 is a heterodimeric inflammatory cytokine. Interleukin-12 is a potent cytokine that plays an important role in regulating the response of the adaptive immune system by driving the differentiation of naive T-cells to Th1 cells, which is important for protection against intracellular pathogens^[1].

REFERENCES

[1]. Issaranggun Na Ayuthaya B, et al. The immunopathogenic and immunomodulatory effects of interleukin-12 in periodontal disease. Eur J Oral Sci. 2018 Apr;126(2):75-83.

Caution: Product has not been fully validated for medical applications. For research use only.

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