

Recombinant Rat IL-12 Protein

Catalog #	Source	Reactivity	Applications
CRP3089	Human cells	Rat	E, WB, SDS-PAGE, MS

Description	Recombinant Rat IL-12 Protein is produced by mammalian expression system and the target gene encoding Met23-Ser335 (p40) & Arg23-Ser215 (p35) is expressed with a 6His tag at the C-terminus.
Form	Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4.
Gene Symbol	IL12A; IL12B
Alternative Names	NKSF1; NKSF2; Interleukin-12 subunit alpha; IL-12A; Cytotoxic lymphocyte maturation factor 35 kDa subunit; CLMF p35; IL-12 subunit p35; NK cell stimulatory factor chain 1; NKSF1; Interleukin-12 subunit beta; IL-12B; Cytotoxic lymphocyte maturation factor 40 kDa subunit; CLMF p40; IL-12 subunit p40; NK cell stimulatory factor chain 2; NKSF2
Entrez Gene	84405; 64546 (Rat)
SwissProt	Q9R278; Q9R103 (Rat)
Purity	Greater than 95% as determined by reducing SDS-PAGE.
Chemical Structure	MWELEKDVYV VEVDWRPDAP GETVTLTCDSP EEDDITWTS DQRRGVIGSG KTLTITVREF LDAGQYTCHR GGETLSHSHL LLHKKENGIW STEILKNFKN KTFKCEAPN YSGRFTCSWL VHRNTDLKFN IKSSSSSPES RAVTCGRASL SAEKVTLNQR DYEKYSVACQ EDVTCPTAEE TLPIELVVEA QQQNKYENYS TSFFIRDIK PDPPKNLQVK PLKNSQVEVS WEYPDSWSTP HSYFSLKFFV RIQRKKEKTK ETEEECNQKG AFLVEKTSAE VQCKGANICV QAQDRYNNSS CSKWTCVPCR GRSHHHHHH& RVIPVSGPAK CLNQSQNLLK TTDDMVRTAR EKLKHYSCTA GDIDHEDITR DKTSTLEACL PLELHKNESE LATKETSSII RGSCLPPQKT SLMMTLCLGS IYEDLKMYQS EFQAINAALQ SHNHQQITLD RNMLMAIDEL MRSLNHSGET

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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Product Data Sheet

LHQKAPMGEA DPYRVKMKLC ILLHAFSTRV MTINRVMNYL SSSHHHHHH

Quality Control

Endotoxin: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test.

Directions for Use

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μg/ml. Dissolve the lyophilized protein in ddH₂O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Storage/Stability

Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.

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