

Recombinant Human IL23A/IL12B Protein

Catalog #	Source	Reactivity	Applications
CRP1787	Human cells	Human	E, WB, SDS-PAGE, MS

Description Recombinant Human IL23A/IL12B Protein is produced by our mammalian expression system and the target gene encoding Arg20-Pro189&Ile23-Ser328 is expressed with a 6His tag at the C-terminus.

Form Lyophilized from a 0.2 μM filtered solution of PBS pH 7.4.

Gene Symbol IL23A; IL12B

Alternative Names SGRF; NKSF2; Interleukin-23 subunit alpha; IL-23 subunit alpha; IL-23-A; Interleukin-23 subunit p19; IL-23p19; Interleukin-12 subunit beta; IL-12B; Cytotoxic lymphocyte maturation factor 40 kDa subunit; CLMF p40; IL-12 subunit p40; NK cell stimulatory fac

Entrez Gene 51561; 3593 (Human)

SwissProt Q9NPF7; P29460 (Human)

Purity Greater than 95% as determined by reducing SDS-PAGE.

Chemical Structure RAVPGGSSPA WTQCQQLSQK LCTLAWSAHP LVGHMDLREE GDEETTNDVP
 HIQCGDGCDP QGLRDNSQFC LQRIHQGLIF YEKLLGSDIF TGEPSLLPDS PVGQLHASLL
 GLSQLLQPEG HHWETQQIPS LSPSQPWQRL LLRFKILRSL QAFVAVAARV FAHGAATLSP
 VDHHHHHH&I WELKKDVYVV ELDWYPDAPG EMVVLTCDTP EEDGITWTLD
 QSSEVLGSGK TLTIQVKEFG DAGQYTCHKG GEVLSHSLLL LHKKEDGIWS TDILKDQKEP
 KNKTFLRCEA KNYSGRFTCW WLTISTDLT FSVKSSRGSS DPQGVTCGAA TLAERVRGD
 NKEYEYSVEC QEDSACPAAE ESLPIEVMVD AVHKLKYENY TSSFFIRDII KPDPKLNQL
 KPLKNSRQVE VSWEYPDTWS TPHYFSLTF CVQVQGKSKR EKKDRVFTDK TSATVICRKN
 ASISVRAQDR YYSSSWSEWA SVPCS

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

Quality Control	Endotoxin: Less than 0.1 ng/ μ g (1 IEU/ μ g) 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 μ g/ml. Dissolve the lyophilized protein in 1X PBS. 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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