

Recombinant Human IL-35 Protein

Catalog #	Source	Reactivity	Applications
CRP2755	Human cells	Human	E, WB, SDS-PAGE, MS
Description	Recombinant Human IL-35 Protein is produced by mammalian expression system and the target gene encoding Arg21-Lys229 & Arg23-Ser219 is expressed with a Fc tag at the C-terminus.		
Form	Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4.		
Gene Symbol	EBI3; IL12A		
Alternative Names	IL27B; Interleukin-27 subunit beta; IL-27 subunit beta; IL-27B; Epstein-Barr virus-induced gene 3 protein; EBV-induced gene 3 protein; NKSF1; 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		
Entrez Gene	10148; 3592 (Human)		
SwissProt	Q14213; P29459 (Human)		
Purity	Greater than 95% as determined by reducing SDS-PAGE.		
Chemical Structure	<p>RKGPPAALTLPVQCRASRYPIAVDCSWTLPPAPNSTSPVSFIATYRLGMAARGHSWPCL</p> <p>QQTPTSTSTCTITDVQLFSMAPYVLNVTAVHPWGSSSSSFVPFITEHIKPKDPPEGVRLSPL</p> <p>AERQLQVQWEPGWSWPFPEIFSLKYWIRYKRQGAARFHRVGPIEATSFILRAVRPRARYY</p> <p>VQVAAQDLTDYGELSDWSLPATATMSLGKGGGSGGGGSGGGSRNLPVA</p> <p>TPDPGMFPCLHHSQNLLRAVSNMLQKARQTLEFYPTSEEIDHEDITKDKTSTVEACLPL</p> <p>ELTKNESCLNSRETSFITNGSCLASRKTSFMMALCLSSIEDLKMYQVEFKTMNAKLLMD</p> <p>PKRQIFLDQNMALVIDELMQALNFNSETVPQKSSLEEPDFYKTKIKLCILHAFRIRAVT</p> <p>IDRVMSYLNASVDDIEGRMD EPKSCDKTHTCPPCPAPELGGPSVFLFPPKPKDTLMISR</p> <p>TPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWL</p>		

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

GKEYKCKVSN KALPAIEKT ISKAKGQPRE PQVYTLPPSR EEMTKNQVSL TCLVKGFYPS
DIAVEWESNG QPENNYKTP PVLDSGSGFF LYSKLTVDKS RWQQGNVFSC SVMHEALHNNH
YTQKSLSLSP GK

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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