

Recombinant Human IL12A&IL27B cell lysate

Cat. No. IL12A&IL27B-853HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human IL12A & IL27B Heterodimer derived in Human Cells. The whole cell lysate is provided in 1X Sample Buffer. Browse all transfected cell lysate positive controls
Species	Human
Source	Human Cells
Preparation method	Transfected cells were cultured for 48hrs before collection. The cells were lysed in modified RIPA buffer with cocktail of protease inhibitors. Cell debris was removed by centrifugation and then centrifuged to clarify the lysate. The cell lysate was boiled for 5 minutes in 1 x SDS sample buffer (50 mM Tris-HCl pH 6.8, 12.5% glycerol, 1% sodium dodecylsulfate, 0.01% bromophenol blue) containing 5% b-mercaptoethanol, and lyophilized.
Lysis buffer	Modified RIPA Lysis Buffer: 50 mM Tris-HCl pH 7.4, 150 mM NaCl, 1mM EDTA, 1% Triton X-100, 0.1% SDS, 1% Sodium deoxycholate, 1mM PMSF
Quality control Testing	12.5% SDS-PAGE Stained with Coomassie Blue
Recommended Usage	1. Centrifuge the tube for a few seconds and ensure the pellet at the bottom of the tube. 2. Re-dissolve the pellet using 200µL pure water and boiled for 2-5 min. 3. Store it at -80°C. Recommend to aliquot the cell lysate into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles. Notes: The lysate is ready to load on SDS-PAGE for Western blot application. If dissociating conditions are required, add

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	reducing agent prior to heating.
Stability	Samples are stable for up to twelve months from date of receipt at -80°C
Storage Buffer	50 mM Tris-HCl pH 7.4, 150 mM NaCl, 1mM EDTA, 1% Triton X-100, 0.1% SDS, 1% Sodium deoxycholate, 1mM PMSF
Storage Instruction	Lysate samples are stable for 12 months from date of receipt when stored at -80°C. Avoid repeated freeze-thaw cycles. Prior to SDS-PAGE fractionation, boil the lysate for 5 minutes.

GENE INFORMATION

Gene Name	IL12A interleukin 12A [Homo sapiens]; EBI3 Epstein-Barr virus induced 3 [Homo sapiens]
Official Symbol	IL12A; EBI3
Synonyms	P35; CLMF; NFSK; NKSF1; IL-12A; interleukin-12 subunit alpha; CLMF p35; IL35 subunit; IL-12, subunit p35; interleukin 12, p35;;interleukin-12 alpha chain; NF cell stimulatory factor chain 1; NK cell stimulatory factor chain 1; cytotoxic lymphocyte maturation factor 1, p35; cytotoxic lymphocyte maturation factor 35 kDa subunit; interleukin 12A (natural killer cell stimulatory factor 1, cytotoxic lymphocyte maturation factor 1, p35); IL27B; IL-27B
Gene ID	3592; 10148
mRNA Refseq	NM_000882; NM_005755
Protein Refseq	NP_000873; NP_005746

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MIM	161560; 605816
UniProt ID	P29459; Q14213
Chromosome Location	3q25.33; 19p13.3
Pathway	African trypanosomiasis, organism-specific biosystem; Allograft rejection, conserved biosystem
Function	contributes_to cytokine activity; contributes_to growth factor activity; cytokine activity; interleukin-27 receptor binding; protein binding

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