

Recombinant Human IL12A & IL12B cell lysate

Cat. No. IL12A & IL12B-1908HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human Human IL-12 / Interleukin-12 (IL12A & IL12B 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

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	SDS-PAGE for Western blot application. If dissociating conditions are required, add 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]; IL12B interleukin 12B [Homo sapiens]
Official Symbol	IL12A; IL12B
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); CLMF; NKSF; CLMF2; NKSF2; IL-12B; interleukin-12 subunit beta; CLMF p40; IL-12 subunit p40; IL12, subunit p40; interleukin 12, p40; interleukin-12 beta chain; NK cell stimulatory factor chain 2; cytotoxic lymphocyte maturation factor 40 kDa subunit; natural killer cell stimulatory factor, 40 kD subunit; interleukin 12B (natural killer cell stimulatory factor 2, cytotoxic lymphocyte maturation factor 2, p40)
Gene ID	3592; 3593

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mRNA Refseq	NM_000882; NM_002187
Protein Refseq	NP_000873; NP_002178
MIM	161560; 161561
UniProt ID	P29459; P29460
Chromosome Location	3q25.33; 5q31.1-q33.1
Pathway	African trypanosomiasis, organism-specific biosystem; Allograft rejection, conserved biosystem; African trypanosomiasis, organism-specific biosystem; Amoebiasis, organism-specific biosystem
Function	contributes_to cytokine activity; contributes_to growth factor activity; contributes_to cytokine activity; interleukin-12 alpha subunit binding

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