

## Recombinant Mouse IL12A & IL12B Overexpression Lysate(Met 1-Ala 215&Met 1-Ser 335)

**Cat. No.** IL12A & IL12B-1779MCL    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Mouse IL12A (P43431) (Met 1-Ala 215) was fused with the Fc region of human IgG1 at the C-terminus, constructed the plasmid 1; Recombinant Mouse IL12B (P43432) (Met 1-Ser 335) was fused with the Fc region of human IgG1 at the C-terminus, constructed the plasmid 2. The two plasmids were co-expressed and the heterodimer was purified in HEK293. |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                                                                              |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                             |
| <b>ProteinLength</b>    | Met 1-Ala 215&Met 1-Ser 335                                                                                                                                                                                                                                                                                                                                        |
| <b>Form</b>             | 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.                                                                                                                                                                                                                             |
| <b>Molecular Mass</b>   | The recombinant mouse IL12 heterodimer of IL12A/IL12B, both was Fc chimera, comprises 988 (434 + 554) amino acids and has a calculated molecular mass of 111.5 (48.7 + 62.8) kDa. The apparent molecular mass of rh IL12 heterodimer is approximately 55 & 75 kDa respectively in SDS-PAGE under reducing conditions.                                              |
| <b>Storage</b>          | Store at 4°C for up to twelve months from date of receipt. After re-dissolution, aliquot and store at -80°C for up to twelve months. Avoid repeated freeze-thaw cycles.                                                                                                                                                                                            |
| <b>Reconstitution</b>   | It is recommended that sterile water be added to the vial to prepare a stock solution of                                                                                                                                                                                                                                                                           |

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0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

## GENE INFORMATION

**Gene Name** IL12a interleukin 12a [ [Mus musculus](#) ]

**Official Symbol** [IL12A](#)

**Synonyms** IL12A; interleukin 12a; interleukin-12 subunit alpha; CLMF p35; IL-12 subunit p35; interleukin 12a p35 subunit; cytotoxic lymphocyte maturation factor 35 kDa subunit; p35; LI12a; Il-12a; IL-12p35; MGC151228; MGC151232;

**Gene ID** [16159](#)

**mRNA Refseq** [NM\\_001159424](#)

**Protein Refseq** [NP\\_001152896](#)

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