

# Recombinant Dog IL12B protein, His & T7-tagged

**Cat. No.** IL12B-845D    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                     |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Dog IL12B aa. (Ile23~Ser329 (Accession # Q28268)) fused with N-terminal His & T7 tag was produced in E. coli cells.                                                                                                                                                                                                     |
| <b>Species</b>          | Dog                                                                                                                                                                                                                                                                                                                                 |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                              |
| <b>ProteinLength</b>    | Ile23~Ser329                                                                                                                                                                                                                                                                                                                        |
| <b>Form</b>             | Freeze-dried powder                                                                                                                                                                                                                                                                                                                 |
| <b>Molecular Mass</b>   | Predicted Molecular Mass: 38.6kDa                                                                                                                                                                                                                                                                                                   |
| <b>Endotoxin</b>        | <1.0EU per 1g (determined by the LAL method)                                                                                                                                                                                                                                                                                        |
| <b>Purity</b>           | > 95%                                                                                                                                                                                                                                                                                                                               |
| <b>Characteristic</b>   | The isoelectric point is 6.8.                                                                                                                                                                                                                                                                                                       |
| <b>Applications</b>     | SDS-PAGE; WB; ELISA; IP                                                                                                                                                                                                                                                                                                             |
| <b>Stability</b>        | The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition. |

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|                       |                                                                                                            |
|-----------------------|------------------------------------------------------------------------------------------------------------|
| <b>Storage</b>        | Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months. |
| <b>Storage buffer</b> | Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl                        |
| <b>Reconstitution</b> | Reconstitute in sterile PBS, pH7.2-pH7.4                                                                   |

## GENE INFORMATION

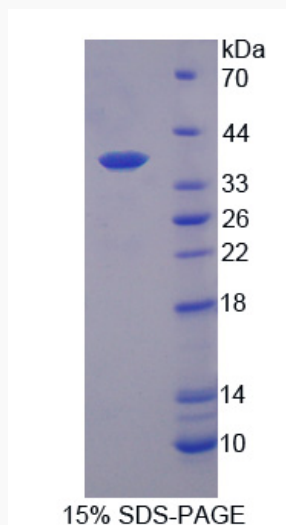
|                        |                                                                                                                                                                                                                                                                                        |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | IL12B interleukin 12B [ <i>Canis lupus familiaris</i> (dog) ]                                                                                                                                                                                                                          |
| <b>Official Symbol</b> | IL12B                                                                                                                                                                                                                                                                                  |
| <b>Synonyms</b>        | IL12B; interleukin 12B; interleukin-12 subunit beta; CLMF p40; IL-12 subunit p40; IL-12B; cytotoxic lymphocyte maturation factor 40 kDa subunit; interleukin 12B (natural killer cell stimulatory factor 2, cytotoxic lymphocyte maturation factor 2, p40); interleukin-12 p40 subunit |
| <b>Gene ID</b>         | 403976                                                                                                                                                                                                                                                                                 |
| <b>mRNA Refseq</b>     | NM_001003292.1                                                                                                                                                                                                                                                                         |
| <b>Protein Refseq</b>  | NP_001003292.1                                                                                                                                                                                                                                                                         |
| <b>UniProt ID</b>      | Q28268                                                                                                                                                                                                                                                                                 |

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SDS-PAGE



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