

# Recombinant Canine IL13RA2 protein(Met1-Thr338), hFc-tagged

**Cat. No.** IL13RA2-2343C    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Canine IL13RA2 (NP_001003075.1) (Met1-Thr338) was expressed in HEK293 with the Fc region of Human IgG1 at the C-terminus.
<b>Species</b>	Canine
<b>Source</b>	HEK293
<b>ProteinLength</b>	Met1-Thr338
<b>Form</b>	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
<b>Bio-activity</b>	Measured by its ability to inhibit IL13-dependent proliferation of TF-1 human erythroleukemic cells. The ED50 for this effect is typically 0.01-0.04 µg/mL.
<b>Molecular Mass</b>	The recombinant canine IL13RA2/Fc is a disulfide-linked homodimer. The reduced monomer comprises 558 amino acids and has a predicted molecular mass of 64.1 kDa. The apparent molecular mass of the protein is approximately 66-72 kDa in SDS-PAGE under reducing conditions.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method
<b>Purity</b>	> 95 % as determined by SDS-PAGE

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



**Storage**

Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

**Reconstitution**

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

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