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IL-13 Recombinant Protein

CATALOG NUMBER: 40-470

TESTED APPLICATIONS: BIOLOGICAL ACTIVITY: The ED50 v specific act Properties PURITY: Greater that	STS PPVALRELIE ELSNITQDQK TSLCNSSIVW SVDLTAGGFC AALESLTNIS SCNAIHRTQR QKA SDVASSPPDT KIEVAQFISK LLNYSKQLFR YGH was determined by the dose - dependent proliferation of TF - 1 cells is < 5.0 ng/mL, corresponding to a tivity of > 2 x 10 ⁵ units/mg. an 98% by SDS-PAGE gel and HPLC analyses. evel is less than 0.1 ng per ug (1EU/ug).
SOURCE SPECIES: E. coli SEQUENCE: TPGPVRR: ILNGLCNG TESTED APPLICATIONS: BIOLOGICAL ACTIVITY: The ED50 v specific act Properties PURITY: Greater that Endotoxin let	QKA SDVASSPPDT KIEVAQFISK LLNYSKQLFR YGH was determined by the dose - dependent proliferation of TF - 1 cells is < 5.0 ng/mL, corresponding to a tivity of > 2 x 10 ⁵ units/mg. an 98% by SDS-PAGE gel and HPLC analyses.
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,	evel is less than 0.1 ng per ug (1EU/ug).
PHYSICAL STATE: Lyophilized	
Reconstitut As with any	ized IL-13 recombinant protein is stable for at least 2 years from date of receipt at -20°C. ted IL-13 is stable for at least 3 months when stored in working aliquots with a carrier protein at -20°C. protein, exposing IL-13 recombinant protein to repeated freeze / thaw cycles is not recommended. Sing with proteins care should be taken to keep recombinant protein at a cool and stable temperature.
Additional Info	
	and the 40. The all particular markets DOOO III 40
	eukin-13, T-cell activation protein P600, IL-13
ACCESSION NO.: NP_446280	0.1
PROTEIN GI NO.: 16758680	

Background

IL-13 is an immunoregulatory cytokine produced primarily by activated Th2 cells, and also by mast cells and NK cells. Targeted deletion of IL-13 in mice resulted in impaired Th2 cell development and indicated an important role for IL-13 in the expulsion of gastrointestinal parasites. IL-13 exerts anti-inflammatory effects on monocytes and macrophages and it inhibits the expression of inflammatory cytokines such as IL-1 β , TNF- α , IL-6 and IL-8. IL-13 has also been shown to enhance B cell proliferation and to induce isotype switching resulting in increased production of IgE. Blocking of IL-13 activity inhibits the pathophysiology of asthma. Human and murine IL-13 is cross-species reactive. Recombinant rat IL-13 is a 12.3 kDa protein consisting of 113 amino acid residues.

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