

Product Datasheet

Recombinant Rat IL-33 Protein NBP2-35248-10ug

Unit Size: 10 ug

Store at -20 to -70C as supplied. After reconstitution, store at 2 to 8C for 1 month and at -20 to -70C for long term storage. Avoid repeated freeze-thaw cycles.

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Publications: 2

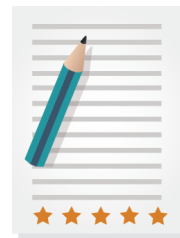
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NBP2-35248-10ug

Recombinant Rat IL-33 Protein

Product Information	
Unit Size	10 ug
Concentration	Lyoph
Storage	Store at -20 to -70C as supplied. After reconstitution, store at 2 to 8C for 1 month and at -20 to -70C for long term storage. Avoid repeated freeze-thaw cycles.
Preservative	No Preservative
Reconstitution Instructions	Recommended to centrifuge prior to opening. Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0mg/mL.
Purity	>95%, by SDS-PAGE and HPLC
Buffer	Lyophilized from a 0.2 um filtered concentrated solution in 20 mM Tris, 300 mM NaCl, pH 8.5.
Target Molecular Weight	17.4 kDa

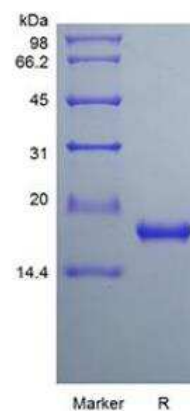
Product Description	
Description	A single non-glycosylated polypeptide chain containing 156 amino acids corresponding to IL-33 Source: <i>E. coli</i> Uniprot ID: Q66H70 Amino Acid Sequence: SIQGTSLLTE SCALSTYNDQ SVSFVLENGC YVINVEDCGK NQEKDKVLLR YYESSFPAQS GDGVDGKKLM VNMSPDKDTD IWLNANDKDY SVELQKGDVS PPDQAFFVLH KKSSDFVSFE CKNLPGTYIG VKDNQLALVE ENDESCNNIM FKLSKM
Gene ID	90865
Gene Symbol	IL33
Species	Rat
Details of Functionality	IL33 Protein is fully biologically active when compared to standard. The ED50 as determined by a cell proliferation assay using murine D10S cells is less than 0.5 ng/ml, corresponding to a specific activity of > 2.0 x 10 ⁶ IU/mg.
Endotoxin Note	Less than 1 EU/ug of IL-33 as determined by LAL method.

Product Application Details	
Applications	SDS-Page, Bioactivity
Recommended Dilutions	SDS-Page, Bioactivity



Images

SDS-Page: Recombinant Rat IL-33 Protein [NBP2-35248]



Publications

Li W, Ding F, Zhai Y et al. IL-37 is protective in allergic contact dermatitis through mast cell inhibition Int. Immunopharmacol. 2020-04-08 [PMID: 32278131]

Li W, Yin N, Tao W et al. Berberine suppresses IL-33-induced inflammatory responses in mast cells by inactivating NF- κ B and p38 signaling. Int. Immunopharmacol. 2018-11-13 [PMID: 30445310] (ELISA, Rat)



Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NBP2-35248-10ug

NBP2-35124-100ug	Recombinant Mouse IL-33 Protein
210-TA-005	TNF-alpha [Unconjugated]
AF3626	IL-33 Antibody [Unconjugated]
M6000B-1	IL-6 [HRP]

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Peptides and proteins are guaranteed for 3 months from date of receipt.

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