Bioactive

IL33 (Human) Recombinant Protein

Catalog # P3638 Size 10 ug

Specification

Product Description	Human IL33 (O95760, 112 a.a. - 270 a.a.) partial recombinant protein expressed in *Escherichia coli*.
Sequence	SITGISPITEYLASLSTYNDQSITFALEDESYEIYVEDLKKDEKKDKVLLSYYESQHPSNESGDGVDG KMLMVTLSPTKDFWLHANNKEHSVELHKCEKPLPDQAFFVLHNMHSNCVSFECKTDPGVFIGVK DNHLALIKVDSSENLCTENILFKLSET
Host	Escherichia coli
Theoretical MW (kDa)	18
Form	Lyophilized
Preparation Method	*Escherichia coli* expression system
Purification	Ion exchange column and HPLC reverse phase column
Purity	> 90% by SDS-PAGE and HPLC
Endotoxin Level	< 0.1 ng/ug (1 EU/ug)
Activity	The ED_{50} was determined by the dose-dependent proliferation of murine D10S cells is <= 0.03 ng/mL.
Storage Buffer	Lyophilized from PBS
Storage Instruction	Store at -20°C on dry atmosphere for 2 years. After reconstitution with deionized water, store at 4°C for 1 month or store at -20°C for 6 months. Aliquot to avoid repeated freezing and thawing.

Applications

- Functional Study
- SDS-PAGE

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Gene Info — IL33

Entrez GeneID	90865
Protein Accession#	O95760
Gene Name	IL33
Gene Alias	C9orf26, DKFZp586H0523, DVS27, NF-HEV, NFEHEV, RP11-575C20.2
Gene Description	interleukin 33
Omim ID	608678
Gene Ontology	Hyperlink
Other Designations	DVS27-related protein|OTTHUMP00000021041|nuclear factor from high endothelial venules

Publication Reference

- Epithelial Interleukin-1 Receptor-Like-1 Activation Is Contingent on Interleukin-33 Isoforms and Asthma-Related Receptor Variation.

  Michael A Portelli, M E Ketelaar, Stewart Bates, Eszter Csomor, Dominick Shaw, Jonas Emsley, Christopher Brightling, Ian Hall, Karen Affleck, Matthew Edwards, Martijn C Nawijn, Gerard H Koppelman, Antoon J van Oosterhout, Ian Sayers

  Clin Exp Allergy 2024 Dec; 54(12):984-995.

- Phenotypic and functional translation of IL1RL1 locus polymorphisms in lung tissue and asthmatic airway epithelium.

  Michael A Portelli, F Nicole Dijk, Maria E Ketelaar, Nick Shrine, Jenny Hankinson, Sangita Bhaker, Neomi S Grotenboer, Ma'en Obeidat, Amanda P Henry, Charlotte K Billington, Dominick Shaw, Simon R Johnson, Zara Ek Pogson, Andrew Fogarty, Tricia M McKeever, David C Nickle, Yohan Bosse, Maarten van den Berge, Alen Faiz, Sharon Brouwer, Judith M Vonk, Paul de Vos, Corry-Anke Brandsma, Cornelis J Vermeulen, Amisha Singapuri, Liam G Heaney, Adel H Mansur, Rekha Chaudhuri, Neil C Thomson, John W Hollo

  JCI Insight 2020 4; 5(8):0.

Disease

- Alzheimer disease
- Asthma

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- Cerebral Amyloid Angiopathy
- Genetic Predisposition to Disease
- Hypersensitivity
- Myocardial Infarction
- Nasal Polyps
- Neuroblastoma
- Obesity
- Occupational Diseases
- Tobacco Use Disorder

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