

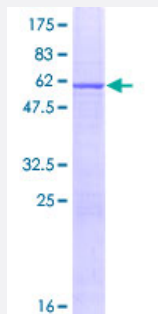
Full-Length

IL33 (Human) Recombinant Protein (P01)

Catalog # H00090865-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human IL33 full-length ORF (NP_254274.1, 1 a.a. - 270 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MKPKMKYSTNKISTAKWKNTASKALCFKLGKSQQKAKEVCPMYFMKLRSGLMIKKEACYFRRET
TKRPSLKTGRKHKRHLVLAACQQQSTVECFAGISGVQKYTRALHDSSITGSPITEYLASLSTYND
QSITFALEDES YEIVEDLKKDEKKDKVLLSYYESQHPSPNESGDGVDGKMLMVTLSPTKDFWLHA
NNKEHSVELHKCEKPLPDQAFFVLHNMHSNCVSFECKTDPGVFIGVDNHLALIKVDSSSENLC
TE
NILFKLSET

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

57.2

Interspecies Antigen Sequence

Mouse (52); Rat (52)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — IL33

Entrez GeneID[90865](#)**GeneBank Accession#**[NM_033439.2](#)**Protein Accession#**[NP_254274.1](#)**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

- [NETs decorated with bioactive IL-33 infiltrate inflamed tissues and induce IFN \$\alpha\$ production in SLE patients.](#)

Spiros Georgakis, Katerina Gkirtzimanaki, Garyfalia Papadaki, Hariklia Gakiopoulou, Elias Drakos, Maija-Leena Eloranta, Manousos Makridakis, Georgia Kontostathi, Jerome Zoidakis, Eirini Baira, Lars Rönnblom, Dimitrios T Boumpas, Prodromos Sidiropoulos, Panayotis Verginis, George Bertsias.

JCI Insight 2021 Nov; 6(21):e147671.

Application: In vitro cleavage assay, Human, Human Neutrophil

- [Environmental allergens trigger type 2 inflammation through ripoptosome activation.](#)

Michael Brusilovsky, Mark Rochman, Yrina Rochman, Julie M Caldwell, Lydia E Mack, Jennifer M Felton, Jeff E Habel, Aleksey Porollo, Chandrashekhar Pasare, Marc E Rothenberg.

Nature Immunology 2021 Oct; 22(10):1316.

Application: CyTOF, Recombinant proteins

- [Chromatin regulates IL-33 release and extracellular cytokine activity.](#)

Travers J, Rochman M, Miracle CE, Habel JE, Brusilovsky M, Caldwell JM, Rymer JK, Rothenberg ME.

Nature Communications 2018 Aug; 9(1):3244.

Application: Stimulated, WB, WB-Tr, Human, TE-7, HMC-1 mast cells

Disease

- [Alzheimer disease](#)
- [Asthma](#)
- [Cerebral Amyloid Angiopathy](#)
- [Genetic Predisposition to Disease](#)
- [Hypersensitivity](#)
- [Myocardial Infarction](#)
- [Nasal Polyps](#)
- [Neuroblastoma](#)
- [Obesity](#)
- [Occupational Diseases](#)
- [Tobacco Use Disorder](#)