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Product datasheet for TP723790

IL33 (NM_033439) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human interleukin 33 (IL33), transcript variant 1
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	Human IL-33, the region of Ser112-Thr270, from gene Accession# NM_ 033439
Tag:	Tag Free
Predicted MW:	18 kDa
Concentration:	lot specific
Purity:	>98%, as determined by Coomassie stained SDS-PAGE.
Buffer:	1 x PBS
Bioactivity:	Human IL-33 induces the proliferation of mouse D10.G4.1 cells in a dose-dependent manner. The ED50 for this effect is 0.1 to 0.5 ng/mL.
Endotoxin:	Less than 0.01 ng per μg protein as determined by the LAL method
Storage:	Store at -80°C.
Stability:	Unopened vial can be stored between 2°C and 8°C for up to 2 weeks, at -20°C for up to 6 months, or at -70°C or below until the expiration date. Aliquots can be stored between 2°C and 8°C for up to one week and stored at -20°C or colder for up to 3 months. Avoid repeated freeze/thaw cycles.
RefSeq:	NP_254274
Locus ID:	90865
UniProt ID:	O95760
RefSeq Size:	2718
Cytogenetics:	9p24.1
RefSeq ORF:	810
Synonyms:	C9orf26; DVS27; IL1F11; NF-HEV; NFEHEV

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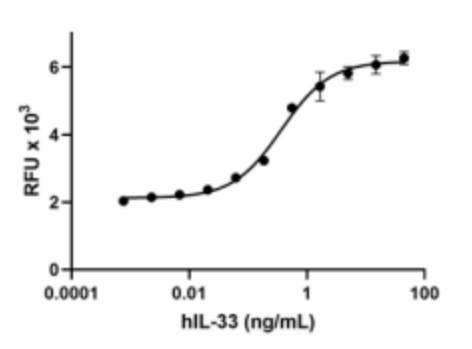
Summary: The protein encoded by this gene is a cytokine that binds to the IL1RL1/ST2 receptor. The encoded protein is involved in the maturation of Th2 cells and the activation of mast cells, basophils, eosinophils and natural killer cells. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2015]

Protein Families: Secreted Protein

Protein Pathways: Cytosolic DNA-sensing pathway

Product images:



Human IL-33 induces the proliferation of mouse D10.G4.1 cells in a dose-dependent manner. The ED50 for this effect is 0.1 to 0.5 ng/mL.