

Recombinant Human Chromosome 19 Open Reading Frame 10, HQ-tagged

Cat. No. C19orf10-5371H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human C19orf10 contains 143 amino acids and a 16 aa HQ tag. Total length is 159 aa.
Species	Human
Source	Hordeum Vulgare
Description	C19orf10 is a protein that in humans is encoded by the C19orf10 gene. C19orf10 is a cytokine that shares the sequence similarity with IL17. This cytokine can induce NF- κ B activation, and stimulate the production of IL8. Both this cytokine and IL17B are ligands for the cytokine receptor IL17RB. Studies of the similar gene in mice suggested that this cytokine may be a proinflammatory cytokine favoring Th2-type immune response. Two alternatively spliced transcript variants of this gene encoding distinct isoforms have been reported.
Form	Lyophilized from a 0.2 mL sterile filtered solution of PBS, pH 7.2.
Molecular Weight	Projected MW = 18.1 kDa. The recombinant protein migrates with an apparent MW = 24 kDa in SDS-PAGE.
Purity	>98% by SDS-PAGE. Purified product carries no pyrogenic or pro-inflammatory contaminants, as assayed with monocyte activation test using custom human Multiplex Cytokine Assay measuring IL-6, TNF-alpha and IL-1beta induction.

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Endotoxin Level	< 0.005 ng perg of product (0.05 EU/g) as measured by turbidimetric kinetic assay.
Reconstitution	Centrifuge vial prior to opening. First add sterile distilled water to the vial to fully solubilize the protein to a concentration not less than 100 µg/ml. After complete solubilization of the protein, it can be further diluted to other aqueous solutions.
Storage	The lyophilized protein, though stable at room temperature for two weeks, is best stored at -20°C. Reconstituted protein should be used immediately or stored in working aliquots at -20°C. Avoid repeated freeze-thaw cycles.
Official Symbol	C19orf10
GENE INFORMATION	
Gene Name	C19orf10 chromosome 19 open reading frame 10 [Homo sapiens]
Synonyms	C19orf10; chromosome 19 open reading frame 10; IL25; IL27; IL-25; SF20; IL27w; R33729_1; EUROIMAGE1875335; hypothetical protein LOC56005; interleukin 25; Interleukin-25; interleukin 27 working designation; stromal cell-derived growth factor; Stromal cell-derived growth factor SF20
Gene ID	56005
mRNA Refseq	NM_019107
Protein Refseq	NP_061980
MIM	606746
UniProt ID	Q969H8

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Chromosome Location	19p13.3
Pathway	Activation ofChaperones by IRE1alpha; Diabetes pathways; Unfolded Protein Response

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