Recombinant Human IL1R1 Protein, C-His-tagged

Cat. No. IL1R1-064H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human IL1R1 Protein with C-His tag was expressed in E. coli.
Species	Human
Source	E.coli
Description	Three structurally related ligands for IL-1Rs have been described. Theseinclude two agonists, IL-1α and IL-1β, and a specific receptor antagonist, IL-1Rα. Among the activities regulated by IL-1 are fever, acute phase responses, degradation of connective tissue and immunostimulatory activities. The IL-1Rα molecule also binds specifically to IL-1Rs, but fails to initiate intracellular responses. Two distinct IL-1Rs have been identified, each of which belongs to the Ig superfamily and is widely expressed in a broad range of cells and tissues. Although many cell types co-express type I and type II receptors, there is no evidence that these constitute subunits of a single complex. The type II receptor has a short 29 amino acid cytoplasmic domain that does not seem sufficient for signaling while in fact there is considerable evidence arguing that IL-1 signals exclusively through the type I IL-1R.
Molecular Mass	~35 kDa
AA Sequence	LEADKCKEREEKIILVSSANEIDVRPCPLNPNEHKGTITWYKDDSKTPVSTEQASRIH QHKEKLWFVPAKVEDSGHYYCVVRNSSYCLRIKISAKFVENEPNLCYNAQAIFKQKL PVAGDGGLVCPYMEFFKNENNELPKLQWYKDCKPLLLDNIHFSGVKDRLIVMNVAE KHRGNYTCHASYTYLGKQYPITRVIEFITLEENKPTRPVIVSPANETMEVDLGSQIQLI

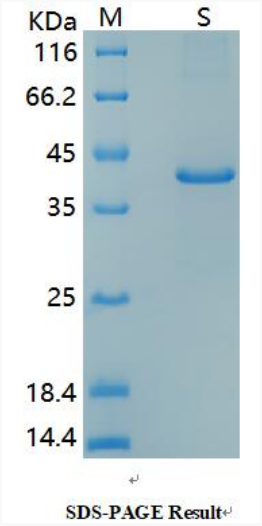
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	CNVTGQLSDIAYWKWNGSVIDEDDPVLGEDYYSVENPANKRRSTLITVLNISEIESRF YKHPFTCFAKNTHGIDAAYIQLIYPVTNFQK
Purity	Transferred into competent cells and the supernatant was purified by NI column affinity chromatography and the purity is > 85% (by SDS-PAGE).
Notes	For research use only, not for use in diagnostic procedure.
Storage	Store at 4 centigrade short term. Aliquot and store at -20 centigrade long term. Avoid freeze-thaw cycles.
Concentration	≥0.5 mg/mL
Storage Buffer	PBS, 4M Urea, pH7.4

GENE INFORMATION

Gene Name	IL1R1 interleukin 1 receptor, type I [Homo sapiens (human)]
Official Symbol	IL1R1
Synonyms	IL1R1; interleukin 1 receptor, type I; IL1R, IL1RA; interleukin-1 receptor type 1; CD121A; D2S1473; IL-1R-1; IL-1RT1; IL-1RT-1; antigen CD121a; interleukin receptor 1; interleukin-1 receptor alpha; interleukin-1 receptor type I; CD121 antigen-like family member A; interleukin 1 receptor alpha, type I; P80; IL1R; IL1RA; IL-1R-alpha;
Gene ID	3554
mRNA Refseq	NM_000877
Protein Refseq	NP_000868

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MIM	147810
UniProt ID	P14778
SDS-PAGE	 SDS-PAGE Result

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