

Recombinant Human SIGIRR

Cat. No. SIGIRR-1681H **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	Mammalian Cells
Description	Single immunoglobulin and toll-interleukin 1 receptor (TIR) domain, also known as SIGIRR is a member of the IL-1 receptor family. It acts as a negative regulator of interleukin (IL)-1 and lipopolysaccharide (LPS) signaling. It also plays a critical role in gut homeostasis, intestinal inflammation, and colitis-associated tumorigenesis by maintaining the microbial tolerance of the colonic epithelium.
Molecular Weight	The predicted molecular weight of Recombinant Human SIGIRR is Mr 39 kDa. However, the actual molecular weight as observed by migration on SDS Page is Mr 55-60 kDa.
State Of Matter	Lyophilized.
Purity	>90% by SDS Page and analyzed by silver stain.
Endotoxin	<0.1 ng per 1 g as determined by the LAL method.
Storage And Stability	This lyophilized protein is stable for six to twelve months when stored desiccated at -20°C to -70°C. After aseptic reconstitution, this protein may be stored at 2°C to 8°C for one month or at -20°C to -70°C in a manual defrost freezer. Avoid

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Repeated Freeze Thaw Cycles. See Product Insert for exact lot specific storage instructions.

GENE INFORMATION

Gene Name	SIGIRR single immunoglobulin and toll-interleukin 1 receptor (TIR) domain [Homo sapiens]
Synonyms	SIGIRR; single immunoglobulin and toll-interleukin 1 receptor (TIR) domain; TIR8; MGC110992; single Ig IL-1R-related molecule; single immunoglobulin domain IL1R1 related; Single immunoglobulin domain-containing IL1R-related protein; Toll/interleukin-1 receptor 8; single immunoglobulin and toll-interleukin 1 receptor domain; Single Ig IL-1-related receptor
Gene ID	59307
mRNA Refseq	NM_001135053
Protein Refseq	NP_001128525
MIM	605478
UniProt ID	Q6IA17
Chromosome Location	11p15.5
Function	protein binding; transmembrane receptor activity

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