

Recombinant Mouse Sigirr

Cat. No. Sigirr-501M **Lot. No.** (See product label)

SPECIFICATION

Species	Mouse
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 Mouse SIGIRR is Mr 39 kDa. However, the actual molecular weight as observed by migration on SDS Page is Mr 63 kDa.
State Of Matter	Lyophilized.
Purity	>95% by SDS Page and analyzed by silver stain.
Endotoxin	<0.1 ng per 1 g as determined by the LAL method.
Storage And Stability	The lyophilized protein should be stored desiccated at -20°C. The reconstituted protein can be stored for at least one week at 4°C. For long-term storage of the reconstituted protein, aliquot into working volumes and store at -20°C in a manual defrost freezer. Avoid Repeated Freeze Thaw Cycles.

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GENE INFORMATION

Gene Name	Sigirr single immunoglobulin and toll-interleukin 1 receptor (TIR) domain [Mus musculus]
Synonyms	Sigirr; single immunoglobulin and toll-interleukin 1 receptor (TIR) domain; TIR8; AI256711; MGC102426; single Ig IL-1 receptor related protein; single Ig IL-1R-related protein
Gene ID	24058
mRNA Refseq	NM_023059
Protein Refseq	NP_075546
UniProt ID	Q9JLZ8
Chromosome Location	7 F5
Function	receptor activity; transmembrane receptor activity

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