

Recombinant Human SIGIRR, Fc-tagged, Biotinylated

Cat. No. SIGIRR-674H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The recombinant human SIGIRR ECD is expressed as a 357 amino acid protein consisting of Met1 -His118 region of SIGIRR (UniProt accession #Q6IA17) and a C-terminal Fc from human IgG1, which exists as a dimer under non-reducing conditions.
Species	Human
Source	Human Cells
ProteinLength	1-118 a.a.
Form	Supplied at 0.5 mg/ml in sterile PBS pH7.4 (carrier & preservative free). The purified recombinant protein was labeled with Biotin (3-5 Biotin per molecule).
Molecular Mass	Calculated molecular mass (kDa): 39.3; Estimated by SDS-PAGE under reducing condition (kDa): ~55 (probably due to glycosylation).
AA Sequence	MPGVCDRAPDFLSPSEDQVLRPALGSSVALNCTAWVVSGPHCSLPSVQWLKDGLP LGIGGHYSLHEYSWVKANL SEVLVSSVLGVNVTSTEVYGAFTCSIQNISFSSFTLQR AGPTSHGSTTENLYFQGSGTGHTCPPCPAPELLGGP SVFLFPPKPKDTLMISRTPE VTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQD WLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCLV KGFYPSDIAVEWESNGQ PENNYKTTTPVLDSGSSFFLYSKLTVDKSRWQQGNVFS CSVMHEALHNHYTQKSLSLSPGK
Endotoxin	<0.1 eu="" per="" 1="" μg="" of="" purified="" recombinant="" protein=""

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determined="" by="" the="" la="">

Purity

>95% judged by SDS-PAGE under reducing condition

Storage

The product is shipped at 4°C. Upon receipt, centrifuge the product briefly before opening the vial. It is recommended to store small aliquots at the temperature below –20°C for long-term storage and the product is stable for 3 months. The undiluted protein can be stored at 4°C for no more than 2 weeks. Avoid repeated freeze-thaw cycles.

Conjugation

Biotin

GENE INFORMATION

Gene Name

[SIGIRR single immunoglobulin and toll-interleukin 1 receptor \(TIR\) domain \[Homo sapiens \]](#)

Official Symbol

[SIGIRR](#)

Synonyms

SIGIRR; single immunoglobulin and toll-interleukin 1 receptor (TIR) domain; single Ig IL-1-related receptor; single immunoglobulin domain IL1R1 related; TIR8; toll/interleukin-1 receptor 8; single Ig IL-1R-related molecule; single immunoglobulin domain-containing IL1R-related protein; MGC110992;

Gene ID

[59307](#)

mRNA Refseq

[NM_001135053](#)

Protein Refseq

[NP_001128525](#)

MIM

[605478](#)

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UniProt ID	Q6IA17
Chromosome Location	11p15.5
Pathway	Activated TLR4 signalling, organism-specific biosystem; Immune System, organism-specific biosystem; Innate Immune System, organism-specific biosystem; MyD88:Mal cascade initiated on plasma membrane, organism-specific biosystem; Toll Like Receptor 2 (TLR2) Cascade, organism-specific biosystem; Toll Like Receptor 4 (TLR4) Cascade, organism-specific biosystem; Toll Like Receptor TLR1:TLR2 Cascade, organism-specific biosystem;
Function	protein binding; transmembrane signaling receptor activity;

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