Recombinant Human NLRC5 Over-expression cell lysate

Cat. No. NLRC5-45HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human NLRC5 Over-expression cell lysate was derived from Human HEK293T cell line.
Species	Human
Source	HEK293
Description	This gene encodes a member of the caspase recruitment domain-containing NLR family. This gene plays a role in cytokine response and antiviral immunity through its inhibition of NF-kappa-B activation and negative regulation of type I interferon signaling pathways.
Form	25mM Tris-HCl pH7.6, 150mM NaCl, 1% NP-40, 1mM EDTA, 1xProteinase inhibitor cocktail mix (Sigma), 1mM PMSF and 1mM Na3VO4
Molecular Mass	204.4 kDa
Usage	1 vial of 100 µg gene specific transient over-expression cell lysate in RIPA buffer 1 vial of 100 µg empty vector transfected control cell lysate in RIPA buffer 1 vial of 250ul 2xSDS Sample Buffer (4% SDS, 125mM Tris-HCl pH6.8, 10% Glycerol, 0.002% Bromphenol blue, 100mM DTT)
Storage	Upon receiving, store the sample at -20 centigrade. Lysate samples are stable for 12 months from date of receipt when stored at -20 centigrade. Avoid repeated freeze-thaw cycles.

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	Lysate samples can be diluted with 2xSDS Sample Buffer provided. After dilution, the protein sample should be aliquoted and stored at -20 centigrade for long term storage. Prior to SDS-PAGE fractionation, boil the lysate for 5 minutes.

GENE INFORMATION

Gene Name	NLRC5 NLR family, CARD domain containing 5 [Homo sapiens]
Official Symbol	NLRC5
Synonyms	NLRC5; NLR family, CARD domain containing 5; protein NLRC5; CLR16.1; FLJ21709; NOD like receptor C5; NOD27; nucleotide binding oligomerization domain; leucine rich repeat and CARD domain containing 5; NOD-like receptor C5; caterpiller protein 16.1; nucleotide-binding oligomerization domains 27; nucleotide-binding oligomerization domain protein 4; nucleotide-binding oligomerization domain, leucine rich repeat and CARD domain containing 5; NOD4; FLJ39711;
Gene ID	84166
mRNA Refseq	NM_032206
Protein Refseq	NP_115582
MIM	613537
UniProt ID	Q86WI3
Chromosome Location	16q13
Pathway	Immune System, organism-specific biosystem; Innate Immune System, organism-

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	specific biosystem; Negative regulators of RIG-I/MDA5 signaling, organism-specific biosystem; RIG-I/MDA5 mediated induction of IFN-alpha/beta pathways, organism-specific biosystem;
Function	ATP binding; RNA polymerase II core promoter sequence-specific DNA binding; nucleotide binding; protein binding;

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