Recombinant Human AIM2 Protein (S144-T343), Tag Free

Cat. No. AIM2-0586H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GG-AIM2(S144-T343 end) Protein was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	S144-T343
Description	Involved in innate immune response by recognizing cytosolic double-stranded DNA and inducing caspase-1-activating inflammasome formation in macrophages. Upon binding to DNA is thought to undergo oligomerization and to associate with PYCARD initiating the recruitment of caspase-1 precursor and processing of interleukin-1 beta and interleukin-18. Detects cytosolic dsDNA of viral and bacterial origin in a non-sequence-specific manner. Also acts as a mediator of pyroptosis, necroptosis and apoptosis (PANoptosis), an integral part of host defense against pathogens, in response to bacterial infection. Can also trigger PYCARD-dependent, caspase-1-independent cell death that involves caspase-8. Tumor suppressor which may act by repressing NF-kappa-B transcriptional activity.
Form	Liquid
Endotoxin	< 0.01 EU per μg of the protein
Purity	90%

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Stability	Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade.
Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles
Storage Buffer	Supplied as sterile 50 mM Tris-HCl (pH7.5), 200 mM NaCl, 20% glycerol
Shipping	It is shipped out with blue ice.

GENE INFORMATION

Gene Name	AIM2 absent in melanoma 2 [Homo sapiens (human)]
Official Symbol	AIM2
Synonyms	AIM2; absent in melanoma 2; interferon-inducible protein AIM2; PYHIN4;
Gene ID	9447
mRNA Refseq	NM_004833
Protein Refseq	NP_004824
MIM	604578
UniProt ID	O14862

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