

Active Recombinant Human AIM2 protein, GST-tagged

Cat. No. AIM2-1159H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human AIM2 protein(NP_004824.1) (Met 1-Thr 343) was expressed in Insect Cells, fused with the GST tag at the N-terminus.
Species	Human
Source	Insect Cells
ProteinLength	1-343 aa
Form	Lyophilized from sterile 50mM Tris, 1M NaCl, 0.5mM PMSF, 5mM GSH, pH 8.0.
Bio-activity	Measured by its ability to inhibit the proliferation of MCF7 human breast adenocarcinoma cellsKarey, K.P. et al. (1988) Cancer Research 48:4083.). The ED50 for this effect is typically 4-7 µg/ml.
Molecular Mass	The recombinant human AIM2/GST chimera consists of 567 amino acids and predicts a molecular mass of 65.2 kDa as estimated in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	> 95 % as determined by SDS-PAGE
Storage	Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.

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Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

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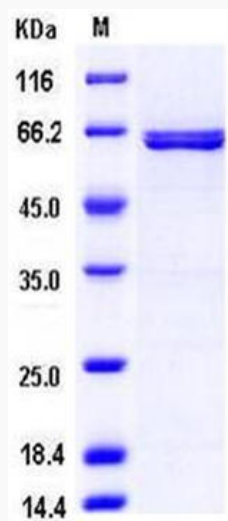
UniProt ID	O14862
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SDS-PAGE



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