

AIM2 Protein, Human (sf9, GST)

Cat. No.:	HY-P72816
Synonyms:	Interferon-inducible protein AIM2; Absent in melanoma 2; AIM2
Species:	Human
Source:	Sf9 insect cells
Accession:	O14862/NP_004824.1 (M1-T343)
Gene ID:	9447
Molecular Weight:	Approximately 65.2 kDa

PROPERTIES

AA Sequence

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MESKYKEILL    LTGLDNITDE    ELDRFKFFLS    DEFNIATGKL
HTANRIQVAT    LMIQNAGAVS    AVMKTIRIFQ    KLN YM L LAKR
LQEEKEKVDK    QYKSVTKPKP    LSQAEMSPAA    SAAIRNDVAK
QRAAPKVSPH    VKPEQKQMVA    QQESIREGFQ    KRCLPVMVLK
AKKPTTFETQ    EGKQEMFHAT    VATEKEFFFV    KVFNTLLKDK
FIPKRIIIIA    RYYRHSGFLE    VNSASRVLDA    ESDQKVNVP L
NIIRKAGETP    KINTLQTQPL    GTIVNGLFVV    QKVTEKKKN I
LFDLSDNTGK    MEVLGVRNED    TMKCKEGDKV    RLTFFTLSKN
GEKQLQ L TSGV    HSTIKV I KAK    KKT
  
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Appearance

Lyophilized powder.

Formulation

Lyophilized from a 0.2 µm filtered solution of 50 mM Tris, 1M NaCl, 0.5 mM PMSF, 5 mM GSH, pH 8.0. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.

Endotoxin Level

<1 EU/µg, determined by LAL method.

Reconstitution

It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH₂O.

Storage & Stability

Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.

Shipping

Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background

AIM2 Protein, a member of the IFI20X/IFI16 family, is implicated in tumorigenic reversion and has potential regulatory functions in cell proliferation. The expression of AIM2 is induced by interferon-gamma, emphasizing its involvement in immune responses. With biased expression observed in tissues such as lymph node (RPKM 9.4), appendix (RPKM 5.0), and

five other tissues, AIM2 stands out as a key player in diverse cellular processes and immune-related functions.

Caution: Product has not been fully validated for medical applications. For research use only.

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