

Recombinant Human AIMP2 Protein (1-320 aa), His-tagged

Cat. No. AIMP2-2030H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human AIMP2 Protein (1-320 aa) is produced by E. coli expression system. This protein is fused with a 6xHis tag at the N-terminal. Research Area: Neuroscience. Protein Description: Partial.
Species	Human
Source	E.coli
ProteinLength	1-320 aa
Description	Required for assembly and stability of the aminoacyl-tRNA synthase complex. Mediates ubiquitination and degradation of FUBP1, a transcriptional activator of MYC, leading to MYC down-regulation which is required for aveolar type II cell differentiation. Blocks MDM2-mediated ubiquitination and degradation of p53/TP53. Functions as a proapoptotic factor.
Form	Tris-based buffer,50% glycerol
Molecular Mass	39.3 kDa
AA Sequence	MPMYQVKPYHGGGAPLRVELPTCMYRLPNVHGRSYGPAPGAGHVQEEENLSLQA LESQRQDDILKRLYELKAAVDGLSKMIQTPDADLDVTNIIQADEPTTLTTNALDLNSVLG KDYGALKDIVINANPASPLSLLVLHRLLCHEFRVLSTVHTHSSVKSVPENLLKCFGE QNKKQPRQDYQLGFTLIWKNVPKTQMKFSIQTMCPIEGEGNIARFLFSLFGQKHNAV NATLIDSWVDIAIFQLKEGSSKEKAAVFRSMNSALGKSPWLGNELTVADVVLWSVL

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	QQIGGCSVTVPANVQRWMRSCENLAPFNTALKLLK
Purity	> 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA with reconstitution instruction is sent along with the products.

GENE INFORMATION

Gene Name	AIMP2 aminoacyl tRNA synthetase complex-interacting multifunctional protein 2 [Homo sapiens]
Official Symbol	AIMP2
Synonyms	AIMP2; JTV 1; JTV1; p38; PRO0992; protein JTV-1; P38; JTV-1;
Gene ID	7965
mRNA Refseq	NM_006303
Protein Refseq	NP_006294
MIM	600859

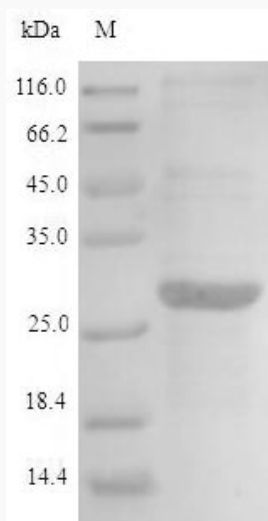
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UniProt ID

Q13155



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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