

Recombinant Mouse Eif2ak2 protein, GST-tagged

Cat. No. EIF2AK2-489M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Eif2ak2 fused with GST tag was expressed in Insect cells.
Species	Mouse
Source	Insect Cells
Description	Eif2ak2 played an important role in many functions.
Molecular Mass	56.33KD (with GST tag)
AA Sequence	MSPILGYWKIKGLVQPTRLLEYLEEKYEEHLYERDEGDKWRNKKFELGLEFPNLPY YIDGDVKLTQSMARIYI ADKHNMLGGCPKERAIEISMLEGAVLDIRYGVSR IAYS KDF ETLKVDFLSKLPEMLKMFEDRLCHKTYLNGDHVTH PDFMLYDALDVVLYMDPMCLD AFPKLVCFFKKRIEAI PQIDKYLKSSKYIAWPLQG WQATFGGGDHPPKGFQVFK AK HRIDGKRYAIKRVKYNTEKAEHEVQALAE LNHNIVQYHSCWEGVDYDPEHSMSDT SRYKTRCLFIQMEFCDK GTLEQWMRNRNQSKVDKALILDLYEQIVTGVEYIHSKGLI HRDLKPGNIFLVDERHIKIGDFGLATALENDGKSR TRRTGTLQYMSPEQLFLKHYGK EVDIFALGLILAELLHTCFTESEKIKFFESLRKGFSDNIFDNKEKSLKLL SEKPKDR PETSEILKTLAEWRNISEKKRNTC
Storage	Short Term Storage at +4 centigrade, Long Term Storage at -20 centigrade to -80 centigrade. Avoid freeze/thaw cycles.
Concentration	0.05 mg/ml

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GENE INFORMATION

Gene Name [Eif2ak2 eukaryotic translation initiation factor 2-alpha kinase 2 \[Mus musculus \]](#)

Official Symbol [Eif2ak2](#)

Synonyms EIF2AK2; eukaryotic translation initiation factor 2-alpha kinase 2; interferon-induced, double-stranded RNA-activated protein kinase; p68 kinase; eIF-2 alpha; dsRNA-activated kinase; eIF-2A protein kinase 2; P1/eIF-2A protein kinase; protein kinase RNA-activated; T-cell viral integration site; tyrosine-protein kinase EIF2AK2; serine/threonine-protein kinase TIK; IFN- type I-induced and dsRNA-activated kinase; interferon-inducible RNA-dependent protein kinase; IFN-induced and double-stranded RNA-activated kinase; eukaryotic translation initiation factor 2 alpha kinase 2; protein kinase, interferon inducible double stranded RNA dependent; protein kinase, interferon-inducible double stranded RNA dependent; Pkr; Tik; Prkr; AI467567; AI747578; 2310047A08Rik; 4732414G15Rik;

Gene ID [19106](#)

mRNA Refseq [NM_011163](#)

Protein Refseq [NP_035293](#)

MIM

UniProt ID [Q03963](#)

Chromosome Location 17 49.56 cM; 17 E2

Pathway Hepatitis C, organism-specific biosystem; Hepatitis C, conserved biosystem; Herpes simplex infection, organism-specific biosystem; Herpes simplex infection, conserved

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biosystem; Influenza A, organism-specific biosystem; Influenza A, conserved biosystem; Measles, organism-specific biosystem;

Function

ATP binding; RNA binding; double-stranded RNA binding; kinase activity; non-membrane spanning protein tyrosine kinase activity; nucleotide binding; protein binding; protein kinase activity; protein serine/threonine kinase activity; protein tyrosine kinase activity; transferase activity; transferase activity, transferring phosphorus-containing groups;

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