

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 YIDGDVKLTQSMIIRYI ADKHNMLGGCPKERAIEISMLEGAVLDIRYGVSR IAYSKDF ETLKVDFLSKLPEMLKMFEDRLCHKTYLNGDHVTH PDFMLYDALDVVLYMDPMCLD AFPKLVCFFKKRIEAI PQIDKYLKSSKYIAWPLQGWQATFGGGDHPPKGFGQVFK AK HRIDGKRYAIKRVKYNTEKAEHEVQALAE LN HVNIVQYHSCWEGVDYDPEHSMST SRYKTRCLFIQMEFCDK GTLEQWMRNRNQSKVDKALILDLYEQIVTGVEYIHSKGLI HRDLKPGNIFLVDERHIKIGDFGLATALENDGKSR TRRTGTLQYMSPEQLFLKHYGK EVDIFALGLILAELLHTCFTESEKIKFFESLRKGDFSNDIFDNKEKSLLKKLL SEKPKDR PETSEILKTLAEWRNISEKKKRNTC
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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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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