

Recombinant Mouse Eif4h Protein, Myc/DDK-tagged

Cat. No. Eif4h-2790M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length eukaryotic translation initiation factor 4H (cDNA clone MGC:11689 IMAGE:3962104), complete cds, with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	This gene encodes eukaryotic translation initiation factor 4H (eIF4H) that plays a critical role in the process of protein synthesis. The encoded protein is an RNA-binding protein that, in concert with other translation initiation factors, helps unwind the 5' cap-proximal region of mRNA to prepare it for ribosomal attachment. Mice lacking the encoded protein displayed growth retardation with a significant reduction of body weight, a smaller brain volume and altered brain morphology. Behaviorally, mice lacking the encoded protein exhibit severe impairments of fear-related associative learning and memory formation. Alternative splicing results in multiple transcript variants encoding different isoforms.
Molecular Mass	25.2 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

 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

Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
GENE INFORMATION	
Gene Name	Eif4h eukaryotic translation initiation factor 4H [<i>Mus musculus</i> (house mouse)]
Official Symbol	Eif4h
Synonyms	Eif4h; eukaryotic translation initiation factor 4H; Wsc; Ef4h; Eif4; Wbsc; Wscr1; Wbscr1; eIF-4H; AU018978; D5Ertd355; D5Ertd355e; E430026L18Rik; eukaryotic translation initiation factor 4H; williams-Beuren syndrome chromosomal region 1 protein homolog
Gene ID	22384
mRNA Refseq	NM_033561
Protein Refseq	NP_291039
UniProt ID	Q9WUK2

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