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Eif4e, 1-217aa, Mouse, His-tag, E.coli

产品货号: TP02000

第三版

别名:Eukaryotic translation initiation factor 4E, EG668879, eIF-4E, Eif4e-ps, If4e

描述:Eif4e, also known as Eukaryotic translation initiation factor 4E, modulates translation of maternal mRNAs in early embryos before the onset of zygotic transcription. This protein recognizes and binds to the 7 methyl GTP cap structure of eukaryotic mRNAs, thereby mediating the initiation of translation. It facilitates ribosome binding by inducing the unwinding of the mRNAs secondary structures. Recombinant mouse Eif4e protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.

配方:Liquid. In 20 mM Tris-HCL Buffer (pH8.0) containing 10% glycerol, 1mM DTT, 0.1M NaCl, 0.1mM PMSF

分子量:27.6kDa (241aa) confirmed by MALDI-TOF

序列:

MGSSHHHHHSSGLVPRGSHMGSHMATVEPETTPPTNPPPAEEEEKTESNQEVANPEHYIKHPLQNRWALWFFKNDKSK
TWQANLRLISKFDTVEDFWALYNHIQLSSNLMPGCDYSLFKDGIPEMWEDEKNKRGGRWLITLNKQRRSDLDRFWLET
LLCLIGESFDDYSDDVCGAVVNVRAKGDKIAIWTTECENRDAVTHIGRVYKERLGLPPKIVIGYQSHADTATKSGSTTKNR
FVV

纯度:> 95% by HPLC

浓度:0.5mg/ml (determined by Absorbance at 280nm)

内毒素:<1.0 EU per 1 ug of protein (determined by LAL method)

存储: +4 ° C 保存 (1-2 周). 长期保存在-20 ° C或者-70 ° C. 避免反复冻融.