

**EIF4H, 1-248aa, Human, His tag, E.coli**

**Cat.NO.: TP02004**

3th Edition

**Synonyms:**Eukaryotic translation initiation factor 4H, eIF-4H, WBSCR1, WSCR1.

**Description:**Eukaryotic translation initiation factor 4H, also known as EIF4H, is a 248 amino acid protein that localizes to the perinuclear region of the cytoplasm and is expressed as two isoforms, designated short and long. EIF4H induces the RNA-dependent ATP hydrolysis catalyzed by the initiation factors EIF4A and EIF4B. EIF4H was further shown to stimulate the initial rate and extent of EIF4A-mediated mRNA secondary structure unwinding.

**Form:**Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 50% glycerol, 2mM DTT

**Molecular Weight:**29.9 kDa (272aa), confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHHSSGLVPRGSHMGSHMADFDTYDDRAYSSFGGGRGSRGSAGGHGSRSQKELPTEPPYTAYVGN  
LPFNTVQGDIDAIFKDLSIRSVRLVRDKDTKFKGFCYVEFDEVDSLKEALTYDGALLGDRSLRVDIAEGRKQDKGG  
FGFRKGGPDDRGMGSSRESRGGWDSRDDFNSGFRDDFLGGRGGSRPGDRRTGPPMGSFRDGPPLRGSNMD  
FREPTEEERAQRPLQLKPRTVATPLNQVANPNSAIFGGARPREEVVQKEQE

**Purity:**> 95% by HPLC

**Concentration:**0.5 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.