

Product information

EIF4H, 1-248aa

Human, His-tagged, Recombinant, *E.coli*

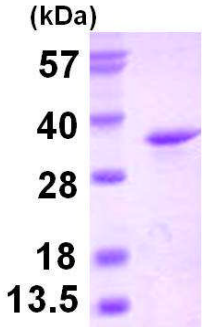
Cat. No. IBATGP1562

Full name: Eukaryotic translation initiation factor 4H

NCBI Accession No.: NP_071496

Synonyms: eIF-4H, WBSR1, 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. Defects in the gene encoding EIF4H are associated with Williams- Beuren syndrome (WBS), a rare developmental disorder characterized by cardiovascular and musculo-skeletal abnormalities. Recombinant human EIF4H protein, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography techniques.

<p>Form: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 50% glycerol, 2mM DTT</p> <p>Molecular Weight: 29.9 kDa (272aa), confirmed by MALDI-TOF</p> <p>Purity: > 90% by SDS - PAGE</p> <p>Concentration: 0.5 mg/ml (determined by Bradford assay)</p>	 <p>15% SDS-PAGE (3ug)</p>
<p>Sequences of amino acids:</p> <pre> MGSSHHHHHH SSGLVPRGSH MGSHMADFDT YDDRAYSSEFG GGRGSRGSAG GHGSRSQKEL PTEPPYTAYV GNLPFNTVQG DIDAIKDL IRSVRLVRDK DTDKFKGFCY VEFDEVDLSEK EALTYDGALL GDRSLRVDIA EGRKQDKGGF GFRKGGPDDR GMGSSRESRG GWDSRDDFNS GFRDDFLGGR GSRPGDRRT GPPMGSRFRD GPPLRGSNMD FREPTEEERA QRPRQLKPR TVATPLNQVA NPNSAIFGGA RPREEVVQKE QE </pre>	

General references:

Richter Cook N J., *et al.* (1998) *J Biol Chem.* 273:7579-7587.

Doepker R C., *et al.* (2004) *J Virol.* 78: 4684-4699.

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.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.