## 32-3741: EIF4H Recombinant Protein

Alternative Name :
Eukaryotic translation initiation factor 4H,elF-4H,Williams-Beuren syndrome chromosomal region 1 protein,EIF4H,KIAA0038,WBSCR1,WSCR1.

## Description

Source : Escherichia Coli. EIF4H Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 272 amino acids (1-248 a.a) and having a molecular mass of 29.9 kDa .EIF4H is fused to a 24 amino acid His-tag at N -terminus \& purified by proprietary chromatographic techniques. Eukaryotic translation initiation factor 4 H (EIF4H) is a 248 amino acid protein which localizes to the perinuclear region of the cytoplasm and is expressed as 2 isoforms, termed short and long. EIF4H functions to stimulate the initiation of protein synthesis at the level of mRNA employment. EIF4H stimulates the RNA-dependent ATP hydrolysis catalyzed by EIF4A and EIF4B. EIF4H gene defects linked to Williams- Beuren syndrome (WBS), a rare developmental disorder characterized by cardiovascular and musculo-skeletal abnormalities and caused by the deletion of contiguous genes at 7q11.23.

## Product Info

| Amount : | $20 \mu \mathrm{~g}$ |
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| Purification : | Greater than 90.0\% as determined by SDS-PAGE. |
| Content : | EIF4H protein solution ( $0.5 \mathrm{mg} / \mathrm{ml}$ ) containing 20 mM Tris- HCl buffer ( pH 8.0 ), $0.2 \mathrm{M} \mathrm{NaCl}, 50 \%$ glycerol and 2 mM DTT. |
| Storage condition : | Store at $4^{\circ} \mathrm{C}$ if entire vial will be used within 2-4 weeks. Store, frozen at $-20^{\circ} \mathrm{C}$ for longer periods of time. For long term storage it is recommended to add a carrier protein ( $0.1 \%$ HSA or BSA).Avoid multiple freeze-thaw cycles. |
| Amino Acid : | MGSSHHHHHH SSGLVPRGSH MGSHMADFDT YDDRAYSSSFG GGRGSRGSAG GHGSRSQKEL PTEPPYTAYV GNLPFNTVQG DIDAIFKDLS IRSVRLVRDK DTDKFKGFCY VEFDEVDSLK EALTYDGALL GDRSLRVDIA EGRKQDKGGF GFRKGGPDDR GMGSSRESRG GWDSRDDFNS GFRDDFLGGR GGSRPGDRRT GPPMGSRFRD GPPLRGSNMD FREPTEEERA QRPRLQLKPR TVATPLNQVA NPNSAIFGGA RPREEVVQKE QE. |



