

EIF4H

Recombinant Human Eukaryotic Translation Initiation Factor 4H His

Catalog No.	CS472A CS472B CS472C	Quantity:	5 µg 20 µg 1 mg
Alternate Names:	Eukaryotic translation initiation factor 4H, Williams-Beuren syndrome chromosome region 1, WBSCR1, WSCR1		
Description:	<p>Eukaryotic translation initiation factor 4H (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.</p> <p>Recombinant Human EIF4H is a single, non-glycosylated polypeptide chain containing 272 amino acids (aa1-248) fused to a 24 amino acid His-tag at the N-terminus and purified by proprietary chromatographic techniques.</p>		
Concentration:	0.5 mg/ml		
Gene ID:	7458		
Source:	<i>E. coli</i>		
Formulation:	Sterile filtered colorless solution. containing 20 mM Tris-HCl buffer (pH 8.0) + 0.2 M NaCl + 50% glycerol and 2 mM DTT.		
Purity:	Greater than 90.0% as determined by SDS-PAGE.		
Amino Acid Sequence:	<p><u>MGSSHHHHHH SSGLVPRGSH MGSH</u>MADFDY YDDRAYS SFG GGRGSRGSAG GHGSR SQKEL PTEPPYTAYV GNLPFNTVQG DIDAIFKDLS IRSVRLVRDK DTDKFKGFCY VEFDEVDSLK EALTYDGALL GDRSLRVDIA EGRKQDKGGF GFRKGGPDDR GMGSSRESRG GWDSRDDFNS GFRDDFLGGR GGSRPGDRRT GPPMGSRFRD GPPLRGSNMD FREPTEEERA QRPRLQLKPR TVATPLNQVA NPNSAIFGGA RPREEVVQKE QE.</p>		
Storage & Stability:	Store at 2-4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid repeated freeze-thaw cycles.		

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

