

## 32-3952: HES7 Recombinant Protein

**Alternative Name :** Hairy and enhancer of split 7,bHLHb37,SCDO4,Transcription factor HES-7,HES7,hHes7,Class B basic helix-loop-helix protein 37,bHLH factor Hes7.

### Description

Source : Escherichia Coli. HES7 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 253 amino acids (1-230) and having a molecular mass of 27kDa. HES7 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. HES7 belongs to the Hairy and enhancer of split family of bHLH transcription factors. The mouse ortholog of the HES7 is set by Notch signaling. The protein serves as a transcriptional repressor, and is involved in correct patterning of the axial skeleton. A mutation in HES7 has been shown to result in spondylocostal dysostosis. Multiple transcript variants encoding different isoforms have been discovered for HES7.

### Product Info

**Amount :** 20 µg  
**Purification :** Greater than 85% as determined by SDS-PAGE.  
**Content :** The HES7 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.  
**Storage condition :** Store at 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 multiple freeze-thaw cycles.  
**Amino Acid :** MGSSHHHHH SSGLVPRGSH MGSMVTRDRA ENRDGPKMLK PLVEKRRRDR INRSLEELRL  
LLLERTDQN LRNPKLEKAE ILEFAVGYL RSRVEPPAA AAPGVPRSPV QDAEALASCY LSGFRECLLR  
LAAFAHDASP AARAQLFSAL HGYLRPKPPR PKPVDPRPPA PRPSLDPAAP ALGPALHQR P VHQGHPSPR  
CAWSPSLCSP RAGDSGAPAP LTGLLPPPPP PHRQDGAPKA PLPPPPAFWR PWP.

