

Recombinant Human hes family bHLH transcription factor 7, His-tagged

Cat. No. HES7-399H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	HES7, 1-230 aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	1-230 a.a.
Description	HES7 is a member of the hairy and enhancer of split family of bHLH transcription factors. The mouse ortholog of this gene is regulated by Notch signaling. The protein functions as a transcriptional repressor, and is implicated in correct patterning of the axial skeleton. A mutation in this gene has been shown to result in spondylocostal dysostosis. Multiple transcript variants encoding different isoforms have been found for this gene. Recombinant human HES7 protein, fused to His-tag at N-terminus, was expressed in E.coli.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol
Molecular Mass	27 kDa (253aa)
AA Sequence	MGSSHHHHHH SGLVPRGSH GSMVTRDRA ENRDGPKMLK PLVEKRRRDR INRSLEELRL LLLERTRDQN LRNPKEKAE ILEFAVGYL RSRVEPPAA AAPGVPRSPV QDAEALASCY LSGFRECLL RAAFAHDASP AARAQLFSAL HGYLRPKPPR PKPVDPRPPA PRPSLDPAAP ALGPALHQRP PVHQGHPSPR

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CAWSPSLCSP RAGDSGAPAP LTGLPPPPPP PHRQDGAPKA PLPPPPAFWR PWP

Purity >85% by SDS - PAGE

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

Concentration 1 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name HES7 hairy and enhancer of split 7 (Drosophila) [Homo sapiens]

Official Symbol HES7

Synonyms HES7; hairy and enhancer of split 7 (Drosophila); transcription factor HES-7; bHLH factor Hes7; bHLHb37; hHes7; class B basic helix-loop-helix protein 37; SCDO4;

Gene ID 84667

mRNA Refseq NM_001165967

Protein Refseq NP_001159439

MIM 608059

UniProt ID Q9BYE0

Chromosome Location 17p13.1

Function DNA binding; transcription factor binding;

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