9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
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HES7 Human

Hairy and Enhancer of Split 7 Human Recombinant
RCP1011

Product Overview

Name	HES7 Human
Description	
Hairy and Enhancer of Split 7 Human Recombinant	
Accession (Primary)	Q9BYE0
Synonyms	
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.	
Introduction	
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.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
The HES7 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.	
Stability	
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.	
Purity	
Greater than 85% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MGS MVTRDRA ENRDGPKMLK PLVEKRRRDR INRSLEELRL LLLERTRDQN LRNPKLEKAE ILEFAVGYLR ERSRVEPPAA AAPGVPRSPV QDAEALASCY LSGFRECLLR LAAFAHDASP AARAQLFSAL HGYLRPKPPR PKPVDPRPPA PRPSLDPAAP ALGPALHQRP PVHQGHPSPR CAWSPSLCSP RAGDSGAPAP LTGLLPPPPP PHRQDGAPKA PLPPPPAFWR PWP.	

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Precautions

HES7 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q9BYE0)