

Recombinant human HES7 protein

Catalog Number: ATGP1838

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-230aa

UniProt No.

Q9BYE0

NCBI Accession No.

NP_001159439

Alternative Names

Transcription factor HES-7, Hairy and enhancer of split 7; bHLHb37; SCDO4

PRODUCT SPECIFICATION

Molecular Weight

27 kDa (253aa)

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol

Purity

> 85% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE, Denatured

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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.

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Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH MGS>MVTRDRA ENRDGPKMLK PLVEKRRRDR INRSLEELRL LLLERTRDQN
LRNPKLEKAE ILEFAVGYL RERSRVEPPAA AAGVPRSPV QDAEALASCY LSGFRECLLR LAFAHDASP AARAQLFSAL
HGylRpkppr PKPVDPRPPA PRPSLDPAAP ALGPALHQRV PVHQGHPSR CAWSPSLCSP RAGDSGAPAP LTGLLPPPPP
PHRQDGAPKA PLPPPPAFWR PWP

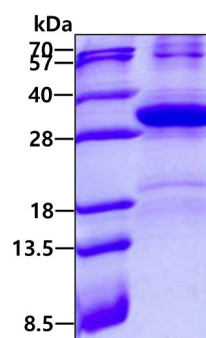
General References

Sparrow DB, et al. (2008). Hum Mol Genet. 17(23):3761-6.

Sillence D, et al. (2010). Eur J Hum Genet. 18(6):674-9.

DATA

SDS-PAGE



3 μ g by SDS-PAGE under reducing condition and visualized by coomassie blue stain.