

HES7 Human

Description: 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.

Catalog #: PRPS-1313

For research use only.

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.

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence: MGSSHHHHHH SSGLVPRGSH MGSMVTRDRA ENRDGPKMLK
PLVEKRRRDR INRSLEELRL LLERTRDQN LRNPKLEKAE ILEFAVGYL RSRVEPPAA
AAPGVPRSPV QDAEALASCY LSGFRECLLR LAAFAHDASP AARAQLFSAL HGYL RPKPPR
PKPVDPRPPA PRPSLDPAAP ALGPALHQR P VHQGHPSR CAWSPSLCSP RAGDSGAPAP
LTGLPPPPP PH

Purity: Greater than 85% as determined by SDS-PAGE.

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.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

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.

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