

Recombinant Human HES1

Cat. No. HES1-27078TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment corresponding to amino acids 36-142 of Human Hes1 with an N terminal proprietary tag; Predicted MWt 37.4 kDa inclusive of tag.
Species	Human
Source	Wheat Germ
ProteinLength	107 amino acids
Description	This protein belongs to the basic helix-loop-helix family of transcription factors. It is a transcriptional repressor of genes that require a bHLH protein for their transcription. The protein has a particular type of basic domain that contains a helix interrupting protein that binds to the N-box rather than the canonical E-box.
Molecular Weight	37.400kDa inclusive of tags
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.79% Tris HCl, 0.3% Glutathione
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.

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Sequences of amino acids KSSKPIMEKRRRRARINESLSQLKTLILDALKKDSSRHSKL EKADILEMTVKHLRNLQR
AQMTAALSTDPVSLGKYRAGFS ECMNEVTRFLSTCEGVNTEVTRLLGH

Sequence Similarities Contains 1 basic helix-loop-helix (bHLH) domain.Contains 1 Orange domain.

GENE INFORMATION

Gene Name HES1 hairy and enhancer of split 1, (Drosophila) [Homo sapiens]

Official Symbol HES1

Synonyms HES1; hairy and enhancer of split 1, (Drosophila); hairy homolog (Drosophila) , HRY; transcription factor HES-1; bHLHb39; FLJ20408; HES 1; Hes1;

Gene ID 3280

mRNA Refseq NM_005524

Protein Refseq NP_005515

MIM 139605

Uniprot ID Q14469

Chromosome Location 3q28-q29

Pathway ATF-2 transcription factor network, organism-specific biosystem; C-MYB transcription factor network, organism-specific biosystem; Delta-Notch Signaling Pathway, organism-specific biosystem; Developmental Biology, organism-specific biosystem; Fanconi anemia pathway, organism-specific biosystem;

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Function

DNA binding; N-box binding; RNA polymerase II core promoter proximal region sequence-specific DNA binding transcription factor activity involved in negative regulation of transcription; histone deacetylase binding; protein binding;

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