Recombinant Human HES1

Cat. No. HES1-26539TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment corresponding to amino acids 201-280 of Human Hes1 with a proprietary tag; Predicted MWt 34.91 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	80 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	34.910kDa inclusive of tags
Biological activity	useful for Antibody Production and Protein Array
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.79% Tris HCl, 0.31% GlutathioneNote: Glutathione is reduced
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw

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	cycles.
Sequences of amino acids	APCKLGSQAGEAAKVFGGFQVVPAPDGQFAFLIPNGAFAHSGPVIPVYTSNSGTSV GPNAVSPSSGPSLTADSMWRPWRN
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,

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	organism-specific biosystem; Developmental Biology, organism-specific biosystem; Fanconi anemia pathway, organism-specific biosystem;
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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