

Recombinant Human HES2, His-tagged

Cat. No. HES2-15904H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human HES2 protein, fused to His tag at N-terminus, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	1-173aa
Description	Hairy and enhancer of split 2, also known as HES2, is a member of the HES family and contains one basic helix-loop-helix (bHLH) domain and one orange domain. The HES family members form a complex with TLE, the mammalian homologue of Groucho, and this interaction is mediated by the carboxy terminal WRPW motif of the HES proteins. Activation of Notch signaling pathway leads to activation of HES family genes through the interaction between Notch intracellular domain and RBPSUH (CSL). HES2 is expressed in a variety of adult and embryonic tissue.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol
Molecular Mass	20.9 kDa (196aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMGLPRRA GDAAELRKSL KPLLEKRRRA RINQSLSQLK GLILPLLGRE NSNCSKLEKA DVLEMTVRFL QELPASSWPT AAPLPCDSYR EGYSACVARL ARVLPACRVL EPAVSARLLE HLWRRRAASAT LDGGRAGDSS GPSAPAPAPA SAPEPASAPV PSPSPPCGP GLWRPW

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Purity	>80% by SDS - PAGE
Applications	SDS-PAGE
Storage	Can be stored at 4°C short term. For long term storage, aliquot and store at at -20°C or -70°C. Avoid repeated freezing and thawing cycles.
Concentration	1 mg/ml (determined by Bradford assay)
GENE INFORMATION	
Gene Name	HES2 hairy and enhancer of split 2 (Drosophila) [Homo sapiens]
Official Symbol	HES2
Synonyms	HES2; hairy and enhancer of split 2 (Drosophila); transcription factor HES-2; bHLHb40; class B basic helix-loop-helix protein 40;
Gene ID	54626
mRNA Refseq	NM_019089
Protein Refseq	NP_061962
MIM	609970
UniProt ID	Q9Y543
Chromosome Location	1p36.31
Function	DNA binding; double-stranded DNA binding; transcription factor binding;

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