

Recombinant Human HEY1, His-tagged

Cat. No. HEY1-29230TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length protein, corresponding to amino acids 1-304 of Human HEY1, His-Tag at N-terminus.
Species	Human
Source	E.coli
ProteinLength	1-304 a.a.
Description	This gene encodes a nuclear protein belonging to the hairy and enhancer of split-related (HESR) family of basic helix-loop-helix (bHLH)-type transcriptional repressors. Expression of this gene is induced by the Notch and c-Jun signal transduction pathways. Two similar and redundant genes in mouse are required for embryonic cardiovascular development, and are also implicated in neurogenesis and somitogenesis. Alternative splicing results in multiple transcript variants.
Conjugation	HIS
Tissue specificity	Expressed in the somitic mesoderm, the central nervous system, the kidney, the heart, nasal epithelium, and limbs.
Form	Liquid
Purity	>95% by SDS-PAGE

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage buffer	Preservative: 0.002% Sodium Azide Constituents: 0.1% Triton-X-100, 10mM Tris, 10mM DTT, pH 8.0
Storage	Aliquot and store at -80°C. Avoid repeated freeze / thaw cycles.
Sequence Similarities	Belongs to the HEY family. Contains 1 basic helix-loop-helix (bHLH) domain. Contains 1 Orange domain.
Full Length	Full L.

GENE INFORMATION

Gene Name	HEY1 hairy/enhancer-of-split related with YRPW motif 1 [Homo sapiens]
Official Symbol	HEY1
Synonyms	HEY1; hairy/enhancer-of-split related with YRPW motif 1; hairy/enhancer-of-split related with YRPW motif protein 1; BHLHb31; CHF 2; CHF2; HERP2; HESR 1; HESR1; HRT 1;
Gene ID	23462
mRNA Refseq	NM_001040708
Protein Refseq	NP_001035798
MIM	602953
Uniprot ID	Q9Y5J3
Chromosome Location	8q21

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Pathway	Delta-Notch Signaling Pathway, organism-specific biosystem; Heart Development, organism-specific biosystem; Notch-mediated HES/HEY network, organism-specific biosystem;
Function	DNA binding; RNA polymerase II core promoter sequence-specific DNA binding transcription factor activity; microsatellite binding; protein binding; protein binding transcription factor activity;

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA