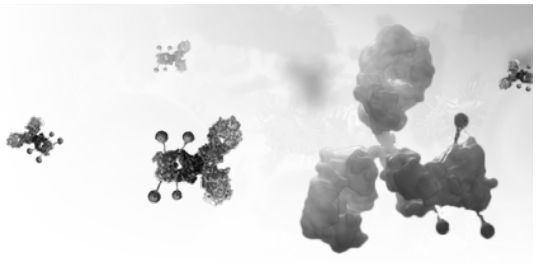

Mouse HEY2 peptide (DAG-P0536)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	This gene encodes a member of the hairy and enhancer of split-related (HESR) family of basic helix-loop-helix (bHLH)-type transcription factors. The encoded protein forms homo- or hetero-dimers that localize to the nucleus and interact with a histone deacetylase complex to repress transcription. Expression of this gene is induced by the Notch signal transduction pathway. Two similar and redundant genes in mouse are required for embryonic cardiovascular development, and are also implicated in neurogenesis and somitogenesis. Alternatively spliced transcript variants have been found, but their biological validity has not been determined. [provided by RefSeq, Jul 2008]
Conjugate	Unconjugated
Sequence Similarities	Belongs to the HEY family.Contains 1 basic helix-loop-helix (bHLH) domain.Contains 1 Orange domain.
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	HEY2 hes-related family bHLH transcription factor with YRPW motif 2 [Homo sapiens (human)]
Official Symbol	HEY2
Synonyms	HEY2; hes-related family bHLH transcription factor with YRPW motif 2; GRL; CHF1; HRT2; HERP1; HESR2; bHLHb32; GRIDLOCK; hairy/enhancer-of-split related with YRPW motif protein 2; HRT-2; hCHF1; hHRT2; HESR-2; protein gridlock homolog; HES-related repressor

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	protein 1; HES-related repressor protein 2; hairy-related transcription factor 2; cardiovascular helix-loop-helix factor 1; class B basic helix-loop-helix protein 32; hairy and enhancer of split-related protein 2; cardiovascular basic helix-loop-helix factor 1; hairy/enhancer-of-split related with YRPW motif 2;
Entrez Gene ID	23493
mRNA Refseq	NM_012259.2
Protein Refseq	NP_036391.1
UniProt ID	Q9UBP5
Chromosome Location	6q21
Pathway	Constitutive Signaling by NOTCH1 HD+PEST Domain Mutants, organism-specific biosystem; Constitutive Signaling by NOTCH1 PEST Domain Mutants, organism-specific biosystem; Delta-Notch Signaling Pathway, organism-specific biosystem; Disease, organism-specific biosystem; FBXW7 Mutants and NOTCH1 in Cancer, organism-specific biosystem; Heart Development, organism-specific biosystem; NOTCH1 Intracellular Domain Regulates Transcription, organism-specific biosystem; Neural Crest Differentiation, organism
Function	RNA polymerase II activating transcription factor binding; RNA polymerase II core promoter sequence-specific DNA binding transcription factor activity; histone deacetylase binding; microsatellite binding; protein binding; protein binding transcription fac

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