Recombinant Human HEY2 Protein, GST-tagged

Cat. No. HEY2-4717H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human HEY2 full-length ORF (NP_036391.1, 1 a.a. - 337 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
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
Molecular Mass	62.2 kDa
AA Sequence	MKRPCEETTSESDMDETIDVGSENNYSGQSTSSVIRLNSPTTTSQIMARKKRRGIIEK RRRDRINNSLSELRRLVPTAFEKQGSAKLEKAEILQMTVDHLKMLQATGGKGYFDAH ALAMDFMSIGFRECLTEVARYLSSVEGLDSSDPLRVRLVSHLSTCATQREAAAMTSS MAHHHHPLHPHHWAAAFHHLPAALLQPNGLHASESTPCRLSTTSEVPPAHGSALLT ATFAHADSALRMPSTGSVAPCVPPLSTSLLSLSATVHAAAAAATAAAHSFPLSFAGA FPMLPPNAAAAVAAATAISPPLSVSATSSPQQTSSGTNNKPYRPWGTEVGAF

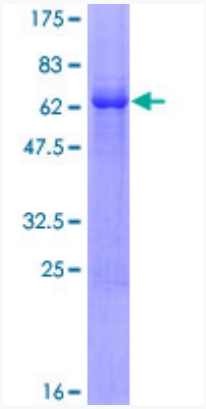
Tel: 1-631-559-9269 1-516-512-3133
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Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -8 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	HEY2 hairy/enhancer-of-split related with YRPW motif 2 [Homo sapiens]
Official Symbol	HEY2
Synonyms	HEY2; hairy/enhancer-of-split related with YRPW motif 2; hairy/enhancer-of-split related with YRPW motif protein 2; bHLHb32; HERP1; HRT-2; hCHF1; hHRT2; HESR-2; protein gridlock homolog; HES-related repressor 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; GRL; CHF1; HRT2; HESR2; GRIDLOCK; MGC10720;
Gene ID	23493
mRNA Refseq	NM_012259
Protein Refseq	NP_036391

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MIM	604674
UniProt ID	Q9UBP5
Quality Control Testing	 12.5% SDS-PAGE Stained with Coomassie Blue.

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