

Recombinant Full Length Human HEY2 Protein, GST-tagged

Cat. No. HEY2-3529HF **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	In Vitro Cell Free System
ProteinLength	337 amino acids
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	MKRPC EETTSESDMDETIDVGSENNYSGQSTSSVIRLNSPTTTSQIMARKKRRGIIEK RRRDRINNSLSELRLVPTAF EKQGS AKLEKAEILQMTVDHLKMLQATGGKGYFDAH ALAMDFMSIGFRECLTEVARYLSSVEGLDSSDPLRVRLVSHLSTCATQREAAAMTSS MAHHHHPLHPHHWAAAFHHLPAALLQPNGLHASESTPCRLSTTSEVPPAHGSALLT ATFAHADSALRMPSTG SVAPCVPLSTSLLSL SATVHAAAAAATAAAHSFPLSFAGA

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FPMLPPNAAA VAAATAISPPLSVSATSSPQQTSSGTNNKPYRPWGTEVGAF

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

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Protein Refseq	NP_036391
MIM	604674
UniProt ID	Q9UBP5

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