

Recombinant Human HEY1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. HEY1-5722H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	HEY1 MS Standard C13 and N15-labeled recombinant protein (NP_001035798) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	32.9 kDa
AA Sequence	MKRAHPEYSSSDSELDETIEVEKESADENGNLSSALGSMSPPTSSQILARKRRRGIIIE KRRDRINNSLSELRLVPSAFEKQVMEQGS AKLEKAEILQMTVDHLKMLHTAGGK GYFDAHALAMDYRSLGFRECLAEVARYLSII EGLDASDPLRVRLVSHLN NYASQREA ASGAHAGLGHIPWGT VFGHHPHIAHPLLLPQNGHGNAGTTASPTEPHHQGR LGSA HPEAPALRAPPSGSLGPVLPV VTSASKLSPPLLSSVASLSAFPFSFGSFHLLYPNALS PSAPTQAANLGKPYRPWGTEIGAFTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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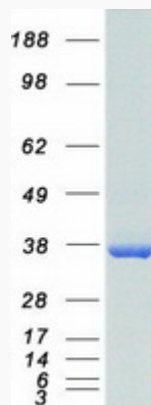
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Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.
GENE INFORMATION	
Gene Name	HEY1 hairy/enhancer-of-split related with YRPW motif 1 [Homo sapiens (human)]
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; hHRT1; HES-related repressor protein 1; HES-related repressor protein 2; basic helix-loop-helix protein OAF1; hairy-related transcription factor 1; cardiovascular helix-loop-helix factor 2; class B basic helix-loop-helix protein 31; hairy and enhancer of split-related protein 1; OAF1; HRT-1; MGC1274;
Gene ID	23462
mRNA Refseq	NM_001040708
Protein Refseq	NP_001035798
MIM	602953
UniProt ID	Q9Y5J3

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SDS-PAGE

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