

## Product datasheet for PH316696

### HEY1 (NM\_001040708) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	HEY1 MS Standard C13 and N15-labeled recombinant protein (NP_001035798)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC216696
Predicted MW:	32.9 kDa
Protein Sequence:	>RC216696 representing NM_001040708 Red=Cloning site Green=Tags(s)

MKRAHPEYSSDSELDETIEVEKESADENGLSSALGSMSPPTSSQILARKRRRGIIEKRRRDRINNSLS  
ELRRLVPSAFEKQVMEQGSAKLEKAEILQMTVDHLKMLHTAGGKYFDAHALAMDYRSLGFRECLAEVAR  
YLSIIIEGLDASDPLRVRLVSHLNYYASQREAAAGAHAGLGHIPWGTVFGHHPHIAHPLLLPQNGHGNAGT  
TASPTPEHHQGRLGSAHPEAPALRAPPSSGSLGPVLPVVTASAKLSPPLLSSVASLSAFPFSFGSFHLLYP  
NALSPSAPTQAANLGKPYRPWGTEIGAF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_001035798</a>
RefSeq Size:	2331
RefSeq ORF:	924
Synonyms:	BHLHb31; CHF2; HERP2; HESR1; hHRT1; HRT-1; NERP2; OAF1
Locus ID:	23462



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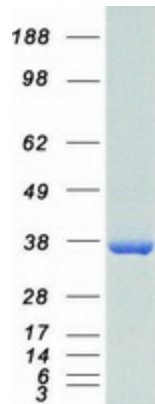
UniProt ID: [Q9Y5J3](#)

Cytogenetics: 8q21.13

**Summary:** 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. [provided by RefSeq, Jul 2008]

**Protein Families:** Druggable Genome, Transcription Factors

### Product images:



Coomassie blue staining of purified HEY1 protein (Cat# [TP316696]). The protein was produced from HEK293T cells transfected with HEY1 cDNA clone (Cat# [RC216696]) using MegaTran 2.0 (Cat# [TT210002]).