

## Product datasheet for PH302544

### HEY2 (NM\_012259) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	HEY2 MS Standard C13 and N15-labeled recombinant protein (NP_036391)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC202544
Predicted MW:	35.8 kDa
Protein Sequence:	>RC202544 protein sequence Red=Cloning site Green=Tags(s)  MKRPCEETTSSESDMETIDVGSENNYSQSTSSVIRLNSPTTTSQIMARKKRRGIIEKRRRRDRINNSLSE LRRLVPTAFEKQGSAKLEKAEILQMTVDHLKMLQATGGKGYFDAHALAMDFMSIGFRECLTEVARYLSSV EGLDSSDPLRVRLVSHLSTCATQREAAAMTSSMAHHHPLHPHHWAAAFHHLPAALLQPNGLHASESTPC RLSTTSEVPPAHGSALLTATFAHADSALRMPSTGSAVPCVPLSTLLSLSATVHAAAAATAAAHSFPL SFAGAFMLPPNAAAAVAATAISPPLSVSATSSPQQTSSGTNNKPYPWPWGTEVGAF  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_036391</a>
RefSeq Size:	2672
RefSeq ORF:	1011
Synonyms:	bHLHb32; CHF1; GRIDLOCK; GRL; HERP1; HESR2; HRT2
Locus ID:	23493



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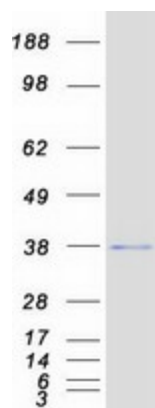
UniProt ID: [Q9UBP5](#)

Cytogenetics: 6q22.31

**Summary:** 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]

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

### Product images:



Coomassie blue staining of purified HEY2 protein (Cat# [TP302544]). The protein was produced from HEK293T cells transfected with HEY2 cDNA clone (Cat# [RC202544]) using MegaTran 2.0 (Cat# [TT210002]).