

Product datasheet for **TP302544**

HEY2 (NM_012259) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human hairy/enhancer-of-split related with YRPW motif 2 (HEY2), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC202544 protein sequence Red =Cloning site Green =Tags(s)

MKRPCEETTSESDMDETIDVGSENNYSQGQSTSSVIRLNSPTTTSQIMARKKRRGIIKRRRDRINNSLSE
LRRLVPTAFEKQGSAKLEKAEILQMTVDHLKMLQATGGKGYFDAHALAMDFMSIGFRECLTEVARYLSSV
EGLDSSDPLRVRLVSHLSTCATQREAAAMTSSMAHHHHPLPHHHWAAAFHHLPAALLQPNGLHASESTPC
RLSTTSEVPPAHGSALLTATFAHADSALRMPSTGSAVPCVPLSTLSLSATVHAAAAATAAAHSFPL
SFAGAFPMLPPNAAAATAISPPLSVSATSSPQQTSSGTNNKPYRPWGTEVGAF

TRTRPLE**QKLISEEDLAANDILDYKDDDDK**V

Tag:	C-Myc/DDK
Predicted MW:	35.6 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u>NP_036391</u>
Locus ID:	23493



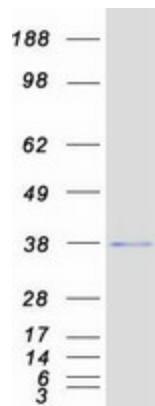
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UniProt ID: [Q9UBP5](#)
RefSeq Size: 2672
Cytogenetics: 6q22.31
RefSeq ORF: 1011
Synonyms: bHLHb32; CHF1; GRIDLOCK; GRL; HERP1; HESR2; HRT2

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]).