

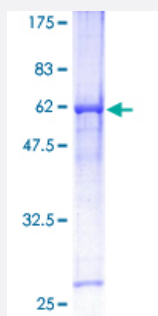
Full-Length

HEY1 (Human) Recombinant Protein (P01)

Catalog # H00023462-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human HEY1 full-length ORF (NP_036390, 1 a.a. - 304 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MKRAHPEYSSSDSELDETIEVEKESADENGLSSALGSMSPPTSSQILARKRRRGIEKRRDRIN
NSLSELRRRLVPSAFEKQGSAKLEKAEILQMTVDHLKMLHTAGGKGYFDAHALAMDYRSLGFREC
LAEVARYLSIIIGLDASDPLRVRLVSHLNYYASQREAASGAHAGLGHIPWGTVFHHHPHIAHPLLLP
QNGHGNAGTTASPTPHHQQRLGSAHPEAPALRAPPSSGLGPVLPVVTASAKLSPPLLSSVASL
SAFPFSFGSFHLLSPNALSPSAPTQAANLGKPYRPWGTEIGAF

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

59.07

Interspecies Antigen Sequence

Mouse (94); Rat (87)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — HEY1

Entrez GeneID[23462](#)**GeneBank Accession#**[NM_012258.1](#)**Protein Accession#**[NP_036390](#)**Gene Name**

HEY1

Gene Alias

BHLHb31, CHF2, HERP2, HESR1, HRT-1, MGC1274, OAF1

Gene Description

hairy/enhancer-of-split related with YRPW motif 1

Omim ID[602953](#)**Gene Ontology**[Hyperlink](#)**Gene 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]

Other Designations

HES-related repressor protein 2|basic helix-loop-helix protein OAF1|cardiovascular helix-loop-helix factor 2|hairy-related transcription factor 1