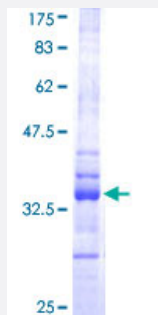


# HES1 (Human) Recombinant Protein (Q01)

Catalog # H00003280-Q01

Size 25 ug, 10 ug

## Applications



## Specification

|                                |                                                                                                                 |
|--------------------------------|-----------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>     | Human HES1 partial ORF ( NP_005515, 36 a.a. - 142 a.a.) recombinant protein with GST-tag at N-terminal.         |
| <b>Sequence</b>                | KSSKPIMEKRRRRARINESLSQLKTLILDALKKDSSRHSKLEKADILEMTVKHLRNLQRAQMTAALST<br>DPSVLGKYRAGFSECMNEVTRFLSTCEGVNTEVTRLLGH |
| <b>Host</b>                    | Wheat Germ (in vitro)                                                                                           |
| <b>Theoretical MW (kDa)</b>    | 37.51                                                                                                           |
| <b>Preparation Method</b>      | <a href="#">in vitro wheat germ expression system</a>                                                           |
| <b>Purification</b>            | Glutathione Sepharose 4 Fast Flow                                                                               |
| <b>Quality Control Testing</b> | 12.5% SDS-PAGE Stained with Coomassie Blue.                                                                     |
| <b>Storage Buffer</b>          | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                        |
| <b>Storage Instruction</b>     | Store at -80°C. Aliquot to avoid repeated freezing and thawing.                                                 |
| <b>Note</b>                    | 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 — HES1

Entrez GeneID [3280](#)

GeneBank Accession# [NM\\_005524](#)

Protein Accession# [NP\\_005515](#)

Gene Name HES1

Gene Alias FLJ20408, HES-1, HHL, HRY, bHLHb39

Gene Description hairy and enhancer of split 1, (Drosophila)

Omim ID [139605](#)

Gene Ontology [Hyperlink](#)

**Gene Summary** This protein belongs to the basic helix-loop-helix family of transcription factors. It is a transcriptional repressor of genes that require a bHLH protein for their transcription. The protein has a particular type of basic domain that contains a helix interrupting protein that binds to the N-box rather than the canonical E-box. [provided by RefSeq]

**Other Designations** hairy and enhancer of split 1|hairy homolog|transcription factor HES-1

## Pathway

- [Maturity onset diabetes of the young](#)
- [Notch signaling pathway](#)

## Disease

- [Attention Deficit Disorder with Hyperactivity](#)
- [Autistic Disorder](#)
- [Genetic Predisposition to Disease](#)
- [NARP](#)