



Recombinant Human Hairy/enhancer-of-split related with YRPW motif protein 2 (HEY2)

Product Code	CSB-MP883365HU
Abbreviation	HEY2
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q9UBP5
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	MKRPCEETTS ESDMDETIDV GSENNYSGQS TSSVIRLNSP TTTSQIMARK KRRGIIEKRR RDRINNSLSE LRRLVPTAFE KQGS AKLEKA EILQMTVDHL KMLQATGGKG YFDAHALAMD FMSIGFRECL TEVARYLSSV EGLDSSDPLR VRLVSHLSTC ATQREAAAMT SSM AHHHHPL HPHHWAAAFH HLP AALLQPN GLHASESTPC RLSTTSEVPP AHGSALLTAT FAHADSALRM PSTG SVAPCV PPLSTSLLSL SATVHAAAAA ATAAAH SFPL SFAGAFPMLP PNAAA AVAAA TAISPLSVS ATSSPQQTSS GTNNKPYRPW GTEVGAF
Source	Mammalian cell
Target Names	HEY2
Protein Names	Recommended name: Hairy/enhancer-of-split related with YRPW motif protein 2 Alternative name(s): Cardiovascular helix-loop-helix factor 1 Short name= hCHF1 Class B basic helix-loop-helix protein 32 Short name= bHLHb32 HES-rel
Expression Region	1-337
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	full length protein
Target Details	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.

**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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