



# Recombinant Rat Transcription factor HES-1 (Hes1)

<b>Product Code</b>	CSB-EP010307RA
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	Q04666
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MPADIMEKNS SSPVAATPAS VNTTPDKPKT ASEHRKSSKP IMEKRRRARI NESLSQLKTL ILDAKKDSS RHSKLEKADI LEMTVKHLRN LQRAQMTAAL STDPSVLGKY RAGFSECMNE VTRFLSTCEG VNTEVRTRLL GHLANCMTQI NAMTYPGQAH PALQAPPPPP PSGPGGPQHA PFAPPPPLVP IPGGAAPPPG SAPCKLGSQA GEAAKVFGGF QVVPAPDGQF AFLIPNGAFA HSGPVIPLYT SNSGTSVGPN AVSPSSGSSL TADSMWRPWR N
<b>Source</b>	E.coli
<b>Target Names</b>	Hes1
<b>Protein Names</b>	Recommended name: Transcription factor HES-1 Alternative name(s): Hairy and enhancer of split 1 Hairy-like protein RHL
<b>Expression Region</b>	1-281
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full length protein
<b>Target Details</b>	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.
<b>Reconstitution</b>	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.
<b>Shelf Life</b>	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.