

Recombinant Human HERC5, His-tagged

Cat. No. HERC5-178H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	HERC5, 681-1024aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	681-1024aa
Description	HERC5 is a member of the HERC family of ubiquitin ligases. It is a protein with a HECT domain and five RCC1 repeats. The protein localizes to the cytoplasm and perinuclear region and functions as an interferon-induced E3 protein ligase that mediates ISGylation of protein targets. HERC5 gene lies in a cluster of HERC family genes on chromosome 4. It has been shown to exhibit antiviral activity towards HIV-1, influenza A virus and human papillomavirus. Recombinant human HERC5 protein, fused to His-tag at N-terminus, was expressed in E.coli.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol
Molecular Mass	43 kDa (367aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSFDLTVRR NHLIEDVLNQ LSQFENEDLR KELWVSFSGE IGYDLGGVKK EFFYCLFAEM IQPEYGMFMY PEGASCMWFP VKPKFEKKRY FFFGVLCGLS LFNCNVANLP FPLALFKLL DQMPSLEDLK ELSPDLGKNL QTLDDDEGDN FEEVFYIHFN VHWRNDTNL IPNGSSITVN QTNKRDYVSK YINYIFNDSV KAVYEEFRRG FYKMCEDEDII KLFHPEELKD

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VIVGNTDYDW KTFEKNARYE PGYNSSHPTI VMFWKAFHKL TLEEKKKFLV
 FLTGTDLRLQM KDLNNMKITF CCPESWNERD PIRALTCFSV LFLPKYSTME
 TVEEALQEAI NNNRGFG

Purity >90% by SDS - PAGE

Storage Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.

Concentration 1 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name [HERC5 HECT and RLD domain containing E3 ubiquitin protein ligase 5 \[Homo sapiens \]](#)

Official Symbol HERC5

Synonyms HERC5; HECT and RLD domain containing E3 ubiquitin protein ligase 5; hect domain and RLD 5; E3 ISG15--protein ligase HERC5; CEB1; cyclin-E-binding protein 1; probable E3 ubiquitin-protein ligase HERC5; HECT domain and RCC1-like domain-containing protein 5; CEBP1;

Gene ID [51191](#)

mRNA Refseq [NM_016323](#)

Protein Refseq [NP_057407](#)

MIM [608242](#)

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UniProt ID	Q9UII4
Chromosome Location	4q22.1-q23
Pathway	Antiviral mechanism by IFN-stimulated genes, organism-specific biosystem; Cytokine Signaling in Immune system, organism-specific biosystem; ISG15 antiviral mechanism, organism-specific biosystem; Immune System, organism-specific biosystem; Innate Immune System, organism-specific biosystem; Interferon Signaling, organism-specific biosystem; Negative regulators of RIG-I/MDA5 signaling, organism-specific biosystem;
Function	ISG15 ligase activity; acid-amino acid ligase activity; ligase activity; protein binding; ubiquitin-protein ligase activity;

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