

## Product datasheet for **AR51491PU-N**

### HERC5 (681-1024, His-tag) Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	HERC5 (681-1024, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSFDLTVRR NHLIEDVLNQ LSQFENEDLR KELWVSFSGE IGYDLGGVKK EFFYCLFAEM IQPEYGMFMY PEGASCMWFP VKPKFEKKRY FFFGVLCGLS LFNCNVANLP FPLALFKLL DQMPSELDLK ELSPDLGKNL QTLLDDEGDN FEEVFIHFN VHWRNDTNL IPNGSSITVN QTNKRDYVSK YINYIFNDSV KAVYEEFRRG FYKMCDEDII KLFHPEELKD VIVGNTDYDW KTFEKNARYE PGYNSSHPTI VMFWKAFHKL TLEKKKFLV FLTGTDLQMQ KDLNNMKITF CCPESWNERD PIRALTCFSV LFLPKYSTME TVEEALQEAI NNNRGFG
Tag:	His-tag
Predicted MW:	43 kDa
Concentration:	lot specific
Purity:	>90% by SDS - PAGE
Buffer:	Presentation State: This purified protein is available in a denatured form, making it less suitable for functional studies. Denatured proteins are better suited for applications like Western Blot (WB) or imaging assays. State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol
Preparation:	Liquid purified protein
Protein Description:	Recombinant human HERC5 protein, fused to His-tag at N-terminus, was expressed in E.coli.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<a href="#">NP_057407</a>
Locus ID:	51191
UniProt ID:	<a href="#">Q9UII4</a>
Cytogenetics:	4q22.1


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**Synonyms:** E3 ISG15--protein ligase HERC5, CEB1, CEBP1, Cyclin-E-binding protein 1, HECT domain and RCC1-like domain-containing protein 5

**Summary:** This gene is a member of the HERC family of ubiquitin ligases and encodes a protein with a HECT domain and five RCC1 repeats. Pro-inflammatory cytokines upregulate expression of this gene in endothelial cells. The protein localizes to the cytoplasm and perinuclear region and functions as an interferon-induced E3 protein ligase that mediates ISGylation of protein targets. The gene lies in a cluster of HERC family genes on chromosome 4. [provided by RefSeq, Jul 2008]

**Protein Families:** Druggable Genome

**Product images:**

