

Recombinant human HERC5 protein

Catalog Number: ATGP2671

PRODUCT INFORMATION

Expression system

E.coli

Domain

681-1024aa

UniProt No.

Q9UII4

NCBI Accession No.

NP_057407

Alternative Names

E3 ISG15-protein ligase HERC5, CEB1, CEBP1

PRODUCT SPECIFICATION

Molecular Weight

43 kDa (367aa)

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE, Denatured

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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.

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Amino acid Sequence

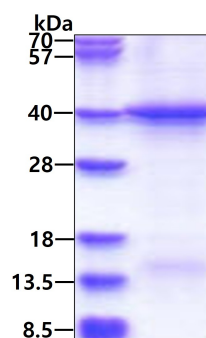
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ELSPDLGKNL QTLDDDEGDN FEEVFIHFN VHWDRNDTNL IPNGSSITVN QTNKRDYVSK YINYIFNDSV KAVYEEFRRG
FYKMCDEDII KLFHPEELKD VIVGNTDYDW KTFEKNARYE PGINSSHPTI VMFWKAFHKL TLEEKKKFLV FLTGTDRLQM
KDLNNMKITF CCPESWNERD PIRALTCFSV LFLPKYSTME TVEEALQEAI NNNRGFG

General References

Woods MW, Kelly JN, et al. (2011). *Retrovirology*. 8:95.
Tang Y, Zhong G, et al. (2010). *J Immunol*. 184(10):5777-90.

DATA

SDS-PAGE



3 μ g by SDS-PAGE under reducing condition and visualized by coomassie blue stain.