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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

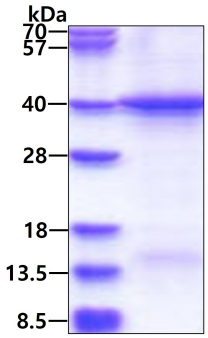
<MGSSHHHHHH SSGLVPRGSH MGS>FDLTVRR NHLIEDVLNQ LSQFENEDLR KELWVSFSGE IGYDLGGVKK EFFYCLFAEM IQPEYGMFMY PEGASCMWFP VKPKFEKKRY FFFGVLCGLS LFNCNVANLP FPLALFKKLL DQMPSLEDLK ELSPDLGKNL QTLLDDEGDN FEEVFYIHFN VHWDRNDTNL IPNGSSITVN QTNKRDYVSK YINYIFNDSV KAVYEEFRRG FYKMCDEDII KLFHPEELKD VIVGNTDYDW KTFEKNARYE PGYNSSHPTI 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



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