

HERC5, 681-1024aa, Human, His tag, E.coli

Cat.NO.: TP02434

3th Edition

Synonyms:E3 ISG15-protein ligase HERC5, CEB1, CEBP1

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 Weight:43 kDa (367aa)

Sequences:

MGSSHHHHHHSSGLVPRGSHMG SFDLTVRRNHLIEDVLNQLSQFENEDLRKELWVSFSGEIGYDLGGVKKEFFYC
LFAEMIQPEYGMFMYPEGASCMWFPVKPKFEKKRYFFFGVLCGLSLFNCNVANLPFPLALFKKLLDQMPSLEDLKE
LSPDLGKNLQTLDDDEGDNFEEVFYIHFNVHWRNDTNLIPNGSSITVNQTNKRDYVSKYINYIFNDSVKAVYEEFR
RGFYKMCDEDIKLFHPEELKDVIVGNTDYDWKTFEKNARYEPGYNSSHPTIVMFWKAFHKLTL EEKKKFLVFLTGT
DRLQMKDLNNMKITFCCPESWNERDPIRALTCFSVLF LPKYSTMETVEEALQEAINNNR GFG

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

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