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32-2437: HERC5 Recombinant Protein

Alternative Name :	HERC5,HECT and RLD Domain Containing E3 Ubiquitin Protein Ligase 5,CEB1,Hect Domain and RLD 5,Cyclin-E-Binding Protein 1,CEBP1,HECT Domain and RCC1-Like Domain-Containing Protein 5,E3 ISG15--Protein Ligase HERC5,Probable E3 Ubiquitin-Protein

Description

Source : Escherichia Coli. HERC5 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 367 amino acids (681-1024 a.a.) and having a molecular mass of 43kDa. HERC5 is fused to a 23 amino acid His-tag at N-terminus. HECT and RLD Domain Containing E3 Ubiquitin Protein Ligase 5 (HERC5) is a member of the HERC family of ubiquitin ligases, found in a cluster of HERC family genes on chromosome 4. HERC5 is a protein with a HECT domain and 5 RCC1 repeats. The HERC5 protein localizes to the cytoplasm and perinuclear region and serves as an interferon-induced E3 protein ligase that mediates ISGylation of protein targets. HERC5 exhibits antiviral activity towards HIV-1, influenza A virus and human papillomavirus. HERC5 is a major E3 ligase for ISG15 conjugation. HERC5 also serves as a positive regulator of innate antiviral response in cells induced by interferon. Pro-inflammatory cytokines upregulate HERC5 in endothelial cells. HERC5 is physically connected with polyribosomes, broadly modifies recently synthesized proteins in a cotranslational fashion.

Product Info

Amount :	20 µg
Purification :	Greater than 90.0% as determined by SDS-PAGE.
Content :	HERC5 protein solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MGSFDLTVRR 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.