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UBA3, 1-463aa, Human, His tag, E.coli

产品货号: TP04370

第三版

别名: NEDD8-activating enzyme E1 catalytic subunit, UBE1C

描述: UBA3, also known as NEDD8-activating enzyme E1 catalytic subunit, is the catalytic subunit of the dimeric UBA3-NAE1 E1 enzyme. E1 activates NEDD8 by first adenylating its C-terminal glycine residue with ATP, thereafter linking this residue to the side chain of the catalytic cysteine, yielding a NEDD8-UBA3 thioester and free AMP. E1 finally transfers NEDD8 to the catalytic cysteine of UBE2M. Recombinant human UBA3 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.

配方: Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol, 1mM DTT

分子量: 54.4 kDa (487aa)

序列:

MGSSHHHHHSSGLVPRGSHMGSHMADGEEPERKRRRIEELLAEKMAVDGGCGDTGDWEGRWNVKFLERSGPFT
HPDFEPSTESLQFLDTCVKLVIGAGGLGCELLKNLALSGFRQIHVIDMDTIDVSNLNRQFLFRPKDIGRPKAEVAAEFLND
RVPNCNVVPHFNKIQDFNDTFYRQFHIIVCGLDSIIARRWINGMLISLLNYEDGVLDPSSIVPLIDGGTEGFKGNARVILPG
MTACIECTLELYPPQVNFPMCTIASMPRLPEHCIEYVRMLQWPKEQPFGEVPLDGDDPEHIQWIFQKSLERASQYNIRGV
TYRLTQGVVKRIIPAVASTNAVIAAVCAVEVFKIATSAYIPLNNYLVFNDVDGLYTYTFAERKENC PACSQLPQNIQFSPSA
KLQEVLDYLTNSASLQMKSPAITATLEGKNRTLYLQSVTSIEERTRPNLSKTLKELGLVDGQELAVADVTPQT VLFKLHFTS

纯度: > 95% by HPLC

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

内毒素: <1.0 EU per 1 ug of protein (determined by LAL method)

存储: +4 ° C 保存 (1-2 周). 长期保存在 -20 ° C 或者 -70 ° C. 避免反复冻融.