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UBA5, 1-404aa, human, His tag, E.coli

产品货号: TP04371

第三版

别名: Ubiquitin-like modifier-activating enzyme 5, THIFP1, UBE1DC1

描述: UBA5 (ubiquitin-like modifier activating enzyme 5) belongs to the ubiquitin-activating E1 family and UBA5 subfamily. Ubiquitin and ubiquitin-like proteins are known to be covalently conjugated to a variety of cellular substrates via a three-step enzymatic pathway. The ubiquitin-activating enzyme (E1) plays a key role in the first step of ubiquitination pathway to activate ubiquitin or ubiquitin-like proteins. UBA5 had been proved to activate an ubiquitin-like protein, ubiquitin-fold modifier 1 (Ufm1), by forming a high-energy thioester bond. It localizes mainly in cytoplasm, while it mainly localizes to the nucleus in presence of SUMO2. Recombinant human UBA5 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

配方: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol, 50mM NaCl

分子量: 47.4kDa (428aa) confirmed by MALDI-TOF

序列:

MGSSHHHHHSSGLVPRGSHMGSHMAESVERLQQRVQELERELAQERSLQVPRSGDGGGGRVRIEKMSSEVVDSNPYSR
LMALKRMGIVSDYEKIRTFVAVAIVGVGGVGSVTAEMLTRCGIGKLLLFDYDKVELANMNRLFFQPHQAGLSKVQAAEHT
LRNINPDVLFVHNYNITTVENFQHFMDRISNGGLEEGKPVLDLVLCVDNFEARMTINTACNELGQTWMESEVSENAVS
GHIQLIIPGESACFACAPPLVVAANIDEKTLKREGVCAASLPTTMGVVAGILVQNVLKFLNFGTVSFYLGYNAMQDFPPT
MSMKPNPQCDDRNCRKQQEEYKKKVAALPKQEVIQEEEEIIHEDNEWGIELVSEVSEEELKNFSGPVPDLPEGITVAYTIPK
KQEDSVTELTVEDSGESLEDLMAKMKNM

纯度: > 95% by HPLC

浓度: 0.5mg/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.