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32-2878: UBA5 Recombinant Protein

Alternative Name : Ubiquitin-like modifier-activating enzyme 5,Ubiquitin-activating enzyme 5,ThiFP1,UFM1-activating enzyme,Ubiquitin-activating enzyme E1 domain-containing protein 1,UBA5,UBE1DC1.

Description

Source : Escherichia Coli. UBA5 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 428 amino acids (1-404) and having a molecular mass of 47.4kDa.UBA5 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Ubiquitin-like modifier activating enzyme 5 (UBA5) is a member of the ubiquitin-activating E1 family and UBA5 subfamily. Ubiquitin and ubiquitin-like proteins are recognized as covalently conjugated to various cellular substrates by a three-step enzymatic pathway. The ubiquitin-activating enzyme (E1) has a vital role in the first step of ubiquitination pathway to activate ubiquitin or ubiquitin-like proteins. UBA5 activates an ubiquitin-like protein, ubiquitin-fold modifier 1 (Ufm1), by forming a high-energy thioester bond. UBA5 is located primarily in cytoplasm, while it generally localizes to the nucleus in presence of SUMO2.

Product Info

Amount :	10 µg
Purification :	Greater than 90.0% as determined by SDS-PAGE.
Content :	The UBA5 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 10% glycerol and 50mM NaCl.
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 MGSHMAESVE RLQQRVQELE RELAQERSLQ VPRSGDGGGG RVRIEKMSSE VVDSNPYSRL MALKRMGIVS DYEKIRTFAV AIVGVGGVGS VTAEMLTRCG IGKLLLFDYD KVELANMNRL FFQPHQAGLS KVQAAEHTLR NINPDVLFEV HNYNITTVENFQHFMDRISN GGLEEGKPVD LVLSCVDNFE ARMTINTACN ELGQTWMESG VSENAVSGHI QLIIPGESAC FACAPPLVVA ANIDEKTLKR EGVCAASLPT TMGVVAGILV QNVLKFLLNF GTVSFYLGYN AMQDFFPTMS MKPNPQCDDR NCRKQQEEYK KKVAALPKQE VIQEEEEIIH EDNEWGIELV SEVSEEELKN FSGPVPDLPE GITVAYTIPK KQEDSVTELT VEDSGESLED LMAKMKNM.

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