Active Recombinant Full Length Human ubiquitin like modifier activating enzyme 1 Protein, Flag Tagged

Cat. No. UBE1-05HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human full length UBE1 (Ubiquitin Activating Enzyme (E1), also known as UBA1, encompassing amino acids 2-1058 (end). This construct contains an N-terminal FLAG-tag. The recombinant protein was affinity purified.
Species	Human
Source	Sf9 Cells
ProteinLength	2-1058aa
Description	The protein encoded by this gene catalyzes the first step in ubiquitin conjugation to mark cellular proteins for degradation. This gene complements an X-linked mouse temperature-sensitive defect in DNA synthesis, and thus may function in DNA repair. It is part of a gene cluster on chromosome Xp11.23. Alternatively spliced transcript variants that encode the same protein have been described.
Tag	N-Flag
Form	Aqueous buffer solution.
Bio-activity	3 pmole/min/μg
Molecular Mass	119 kDa

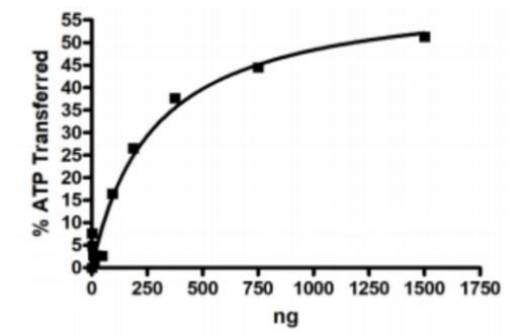
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Purity	≥90%
Usage	Thaw on ice and gently mix prior to use. DO NOT VORTEX. Perform a quick spin before opening. Aliquot into small volumes and flash freeze for long term storage. Avoid multiple freeze/thaw cycles.
Applications	Useful in conjunction with E2 and E3 for the study of enzyme kinetics, screening inhibitors, and selectivity profiling.
Notes	Avoid freeze/thaw cycles
Storage	At least months at -80 centigrade.
Storage Buffer	40 mM Tris-HCl, pH 8.0, 110 mM NaCl, 2.2 mM KCl, 0.04% Tween20, 20% glycerol, 3 mM DTT, 80 μg/ml FLAG peptide.
Shipping	At -80 centigrade.
References	1. Su Z.L. et al., Leuk. Lymphoma 49 (9), 1821-1822 (2008). 2. Ramser J. et al., Am. J. Hum. Genet. 82 (1), 188-193 (2008).

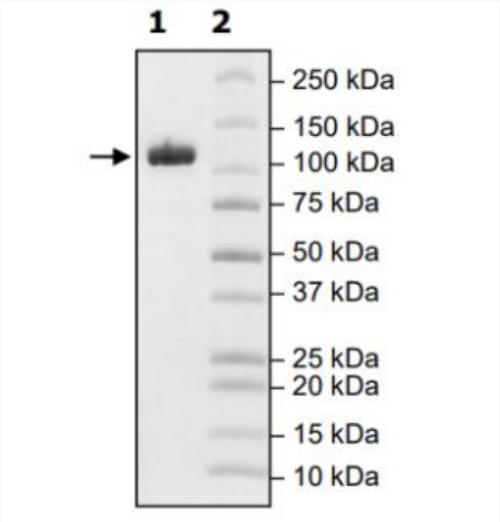
GENE INFORMATION

Gene Name	UBA1 ubiquitin like modifier activating enzyme 1 [Homo sapiens (human)]
Official Symbol	UBA1
Synonyms	UBA1; ubiquitin like modifier activating enzyme 1; A1S9; A1ST; GXP1; UBE1; A1S9T; AMCX1; POC20; SMAX2; UBA1A; UBE1X; VEXAS; CFAP124; ubiquitin-like modifier-activating enzyme 1; A1S9T and BN75 temperature sensitivity complementing; POC20 centriolar protein homolog; UBA1, ubiquitin-activating enzyme E1 homolog A;

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	testicular secretory protein Li 63; EC 6.2.1.45
Gene ID	7317
mRNA Refseq	NM_003334
Protein Refseq	NP_003325
MIM	314370
UniProt ID	P22314
Activity	

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