

Recombinant Human UBA6 Protein (E2-D1052), Tag Free

Cat. No. UBA6-0048H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human (GG)-UBA6(E2-D1052 end) Protein was expressed in Insect cell.
Species	Human
Source	Insect Cells
ProteinLength	E2-D1052
Description	Activates ubiquitin by first adenylating its C-terminal glycine residue with ATP, and thereafter linking this residue to the side chain of a cysteine residue in E1, yielding a ubiquitin-E1 thioester and free AMP. Specific for ubiquitin, does not activate ubiquitin-like peptides. Differs from UBE1 in its specificity for substrate E2 charging. Does not charge cell cycle E2s, such as CDC34. Essential for embryonic development. Required for UBD/FAT10 conjugation. Isoform 2 may play a key role in ubiquitin system and may influence spermatogenesis and male fertility.
Form	Liquid
Endotoxin	< 0.01 EU per µg of the protein
Purity	85%
Stability	Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade.

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Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Storage Buffer	Supplied as sterile 50 mM Tris-HCl (pH7.5), 200 mM NaCl, 5% glycerol, 1 mM DTT.
Shipping	It is shipped out with blue ice.

GENE INFORMATION

Gene Name	UBA6 ubiquitin-like modifier activating enzyme 6 [Homo sapiens (human)]
Official Symbol	UBA6
Synonyms	UBA6; ubiquitin-like modifier activating enzyme 6; UBE1L2, ubiquitin activating enzyme E1 like 2; ubiquitin-like modifier-activating enzyme 6; FLJ10808; ubiquitin activating enzyme E1; monocyte protein 4; ubiquitin-activating enzyme 6; UBA6, ubiquitin-activating enzyme E1; ubiquitin-activating enzyme E1-like 2; ubiquitin-activating enzyme E1-like protein 2; E1-L2; MOP-4; UBE1L2; FLJ23367;
Gene ID	55236
mRNA Refseq	NM_018227
Protein Refseq	NP_060697
MIM	611361
UniProt ID	A0AVT1

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