

Recombinant Mouse Uba5 Protein, His&GST-tagged

Cat. No. Uba5-524M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Uba5 Protein (Ala185-Met403) with N-His&GST tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Ala185-Met403
Description	Enables UFM1 activating enzyme activity. Involved in erythrocyte differentiation; megakaryocyte differentiation; and protein ufmylation. Predicted to be located in endoplasmic reticulum membrane. Predicted to be active in cytosol. Is expressed in liver. Human ortholog(s) of this gene implicated in autosomal recessive spinocerebellar ataxia 24 and developmental and epileptic encephalopathy 44. Orthologous to human UBA5 (ubiquitin like modifier activating enzyme 5).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 53.9 kDa Accurate Molecular Mass: 59 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1 mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	Uba5 ubiquitin-like modifier activating enzyme 5 [Mus musculus (house mouse)]
Official Symbol	Uba5
Synonyms	UBA5; ubiquitin-like modifier activating enzyme 5; ubiquitin-like modifier-activating enzyme 5; UFM1-activating enzyme; ubiquitin-activating enzyme 5; ubiquitin-activating enzyme E1-domain containing 1; ubiquitin-activating enzyme E1 domain-containing protein 1; Ube1dc1; AW240750; 5730525G14Rik
Gene ID	66663
mRNA Refseq	NM_025692
Protein Refseq	NP_079968
UniProt ID	Q8VE47

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