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## Datasheet for ABIN7319158 UBA5 Protein (His tag)

### Overview

Quantity:	50 µg
Target:	UBA5
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This UBA5 protein is labelled with His tag.

### Product Details

Purpose:	Recombinant Human UBA5 Protein (His Tag)
Sequence:	Met 1-Met404
Characteristics:	Recombinant Human Ubiquitin-fold Modifier 1 Activating Enzyme is produced by our E.coli expression system and the target gene encoding Met1-Met404 is expressed with a 6His tag at the N-terminus.
Purity:	> 90 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

### Target Details

Target:	UBA5
Alternative Name:	UBA5 ( <a href="#">UBA5 Products</a> )
Background:	Background: 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

## Target Details

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 ubiquitin-fold modifier 1, a ubiquitin-like post-translational modifier protein, via the formation of a high-energy thioester bond. UBA5 is located primarily in cytoplasm, while it generally localizes to the nucleus in presence of SUMO2.

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

Molecular Weight:	47.0 kDa
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UniProt:	<a href="#">Q9GZZ9</a>
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## Application Details

Restrictions:	For Research Use only
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## Handling

Format:	Frozen, Liquid
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Buffer:	Supplied as a 0.2 µm filtered solution of 20 mM TrisHCl, 50 mM NaCl, 1 mM DTT, 10 % glycerol, pH 8.0 .
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Storage:	-20 °C
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Storage Comment:	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
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