

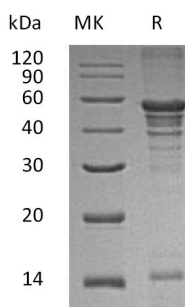
Product Name: Recombinant Human UBA5 (N-6His)
Catalog #: PEH1783



Summary

Name	Ubiquitin-like modifier-activating enzyme 5/UBA5
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	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.
Accession #	Q9GZZ9
Host	E.coli
Species	Human
Predicted Molecular Mass	47 KDa
Formulation	Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 50mM NaCl, 1mM DTT, 10% Glycerol, pH8.0.
Shipping	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	

SDS-PAGE image



Background

Alternative Names	Ubiquitin-like modifier-activating enzyme 5; ThiFP1; UFM1-activating enzyme; Ubiquitin-activating enzyme E1 domain-containing protein 1; UBE1DC1; UBA5
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

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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 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.

Note

For Research Use Only , Not for Diagnostic Use.