

32-8297: Recombinant Human UFM1-Activating Enzyme 5/UBA5 (N-6His)

Gene : UBA5
Gene ID : 79876
Uniprot ID : Q9GZZ9

Description

Source: E. coli.
MW :47kD.

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. 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 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.

Product Info

Amount : 10 µg / 50 µg
Content : Supplied as a 0.2 µm filtered solution of 20mM TrisHCl pH 8.0, 1mM DTT, 10% glycerol, 50mM NaCl.
Storage condition : Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Amino Acid : MGSSHHHHHSSGLVPRGSHMAESVERLQQRVQELERELAQERSLQVPRSGDGGGGRRVRIEKMSSEVVDSN PYSRLMALKRMGIVSDYEKIRTFAVAIVGVGGVGSVTAEMLTRCGIGKLLFDYDKVELANMNRLFFQPHQAGL SKVQAAEHTLRNINPDVLFVHNYNITTVENFQHFMDRISNGGLEEGKPVLDLSCVDNFEARMTINTACNELG QTWMEGVSSENAVSGHIQLIIPGESACFACAPPLVVAANIDEKTLKREGVCAASLPTTMGVVAGILVQNVLKFLNFGTVSFYLGYNAMQDFPPTMSMKPNPQCDDRNCRKQEEYKKKVAALPKQEVIQEEEEIHEDNEWGIELVSEVSEELKNFSGPVPDLPEGITVAYTIPKKQEDSVTELTVEDSGESLEDLMAKMKNM

Application Note

Endotoxin : Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.