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Datasheet for 009-001-U26S

UBA3 (UBE1C) protein-GST fusion

Overview

Description:	UBA3(UBE1C), recombinant protein-GST fusion protein - 009-001-U26S
Item No.:	009-001-U26S
Size:	20 µg
Origin:	Human
Expressed in:	Sf9 cells

Product Details

Background:	UBA3 (also known as UBE1C) or ubiquitin-like modifier activating enzyme 3 is a member of the E1 ubiquitin-activating enzyme family. UBA3 associates with AppBp1, an amyloid beta precursor protein binding protein, to form a heterodimer, and then the enzyme complex activates NEDD8, a ubiquitin-like protein, which regulates cell division, signaling and embryogenesis. The mechanism of NEDD8 activation by APPBP1-UBA3 shows a high degree of conservation with ubiquitin activation by UBA1 (1). The NEDD8-activating enzyme, or NAE, composed of NAE1 and UBA3 subunits, is an essential component for the treatment of cancer disease (2). UBA3 Protein is ideal for investigators involved in Signaling Proteins, Ubiquitin Proteins, Cancer, Cell Cycle, and Neurobiology research.
Synonyms:	UBE1C, UBA3, hUBA3, NEDD8-activating enzyme E1 catalytic subunit
Species of Origin:	Human
Expressed in:	Sf9 cells
Type:	Recombinant Protein

Target Details

Gene Name:	UBA3
Purity/Specificity:	Recombinant full-length human UBA3 (UBE1C) was expressed by baculovirus in Sf9 insect cells using an N-Terminal Glutathione-S-Transferase fusion protein. The purity was determined to be >95% by densitometry.
Relevant Links:	• NCBI - BC022853

Application Details

Application Note:	UBA3 Protein is stored in 50mM Tris-HCl, pH 7.5, 50mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol. UBA3 Protein is suitable for use in Western Blot. Expect a band approximately ~73kDa on specific lysates or tissues. Specific conditions for reactivity should be optimized by the end user.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
WB:	User Optimized

Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	0.1 µg/µL
Buffer:	See application note.

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store product at –70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
Expiration:	Expiration date is one (1) year from date of receipt.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.

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