

UBE2A Protein, Human, Recombinant (GST, His)

General Information

Synonyms:	RAD6A;HR6A;Ubiquitin-Protein Ligase A;UBE2A;hHR6A;Ubiquitin Carrier Protein A;Ubiquitin-Conjugating Enzyme E2 A;RAD6 Homolog A
Protein Construction:	Met1-Cys152
Species:	Human
Expression Host:	E. coli
Accession:	P49459
Molecular Weight:	45 KDa (reducing condition)
AA Sequence:	Met1-Cys152

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	Greater than 80% as determined by reducing SDS-PAGE. (QC verified)
Endotoxin:	< 0.1 ng/μg (1 EU/μg) as determined by LAL test.
Formulation:	Supplied as a 0.2 μm filtered solution of 50 mM HEPES, 150 mM NaCl, 2 mM DTT, 10% Glycerol, pH 7.5.

Preparation and Storage

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

Proteins are shipped with blue ice.

Protein Background

Ubiquitin-Conjugating Enzyme E2 (UBE2A) is a member of the E2 Ubiquitin-Conjugating Enzyme family. The modification of proteins with ubiquitin is an important cellular mechanism for targeting abnormal or short-lived proteins for degradation. Ubiquitination involves at least three classes of enzymes: ubiquitin-activating enzymes, or E1s, ubiquitin-conjugating enzymes, or E2s, and ubiquitin-protein ligases, or E3s. UBE2A catalyzes the covalent attachment of ubiquitin to other proteins. UBE2A is required for postreplication repair of UV-damaged DNA. UBE2A Interacts with RAD18 and WAC.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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