

UBE2S Protein, Human, Recombinant (GST)

General Information

Synonyms:	UBE2S; Ubiquitin-Conjugating Enzyme E2-24 kDa; E2-EPF; E2EPF; Ubiquitin-Conjugating Enzyme E2-EPF5; Ubiquitin-Protein Ligase S; Ubiquitin-Conjugating Enzyme E2 S; Ubiquitin Carrier Protein S
Protein Construction:	Met1-Leu222
Species:	Human
Expression Host:	E. coli
Accession:	Q16763
Molecular Weight:	50 KDa (reducing condition)
AA Sequence:	Met1-Leu222

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 95% 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 S (UBE2S) is a member of the Ubiquitin-Conjugating Enzyme family. UBE2S interacts with CDC20, FZR1/CDH1 and VHL. UBE2S can form a thiol ester linkage with Ubiquitin in an Ubiquitin Activating Enzyme-Dependent manner, a characteristic property of Ubiquitin Carrier Proteins. UBE2S acts as an essential factor of the Anaphase Promoting Complex/Cyclosome, a cell cycle-regulated Ubiquitin ligase that controls progression through mitosis. UBE2S is also involved in ubiquitination and subsequent degradation of VHL, resulting in an accumulation of HIF1A.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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