UBE2J2 Protein, Human (GST)

Cat. No.:	HY-P71404
Synonyms:	Ubiquitin-Conjugating Enzyme E2 J2; Non-Canonical Ubiquitin-Conjugating Enzyme 2; NCUBE-2; UBE2J2; NCUBE2
Species:	Human
Source:	E. coli
Accession:	Q8N2K1 (E124-R224)
Gene ID:	118424
Molecular Weight:	30&36 kDa

PROPERTIES

AA Sequence	E K G P T L G S I E T S D F T K R Q L A V Q S L A F N L K D K V F C E L F P E V V E E I K Q K Q K A Q D E L S S R P Q T L P L P D V V P D G E T H L V Q N G I Q L L N G H A P G A V P N L A G L Q Q A N R
Biological Activity	The enzyme activity of this recombinant protein is testing in progress, we cannot offer a guarantee yet.
Appearance	Solution.
Formulation	Supplied as a 0.2 μm filtered solution of 20 mM PB, 150 mM NaCl, 1 mM DTT, pH 7.2.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	N/A
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

DESCRIPTION

Background	UBE2J2, or ubiquitin-conjugating enzyme E2 J2, is a protein that plays a central role in the covalent attachment of ubiquitin to other proteins, a process critical for the regulation of protein stability and degradation. UBE2J2 is suggested to function in the selective degradation of misfolded membrane proteins from the endoplasmic reticulum (ERAD), indicating its involvement in cellular quality control mechanisms. Additionally, in cooperation with the GATOR2 complex, UBE2J2 catalyzes 'Lys-6'-linked ubiquitination of NPRL2, suggesting its participation in the regulation of cellular processes through ubiquitin modification. It has to highlight UBE2J2's dual role in ERAD and the ubiquitination of specific targets, illustrating its versatility in participating in diverse cellular pathways.

Caution: Product has not been fully validated for medical applications. For research use only.

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