

PPC-DC Protein, Human (His)

Cat. No.:	HY-P71222
Synonyms:	Phosphopantothenoylcysteine Decarboxylase; PPC-DC; PPCDC; COAC
Species:	Human
Source:	E. coli
Accession:	Q96CD2 (M1-S204)
Gene ID:	60490
Molecular Weight:	25-27 kDa

PROPERTIES

AA Sequence	<pre> MEPKASCPAA APLMERKFHV LVGVVTGSVAA LKLP LLVSKL LDIPGLEVAV VTTERAKHFY SPQDIPVTLY SDADEWEIWK SRSDPVLHID LRRWADLLLV APLDANTLGK VASGICDNLL TCVMRAWDRS KPLLFCPAMN TAMWEHPITA QQVDQLKAFG YVEIPCVAKK LVCGDEGLGA MAEVGTIVDK VKEVLFQHS FQQS </pre>
Biological Activity	Data is not available.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of 50 mM Tris, 300 mM NaCl, 5% trehalose, 5% mannitol and 0.01% Tween 80, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	UBE2J2 protein serves as a key player in cellular ubiquitination processes, facilitating the covalent attachment of ubiquitin to target proteins. Its functional significance extends to the selective degradation of misfolded membrane proteins, a crucial aspect of endoplasmic reticulum-associated degradation (ERAD). This involvement underscores UBE2J2's role in maintaining cellular homeostasis by actively participating in the quality control of protein folding within the endoplasmic
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reticulum. Additionally, in collaboration with the GATOR2 complex, UBE2J2 catalyzes the 'Lys-6'-linked ubiquitination of NPRL2, further emphasizing its regulatory influence on specific cellular pathways, particularly those related to protein quality control.

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

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