

PPC-DC Protein, Human (His, solution)

Cat. No.:	HY-P71222A
Synonyms:	Phosphopantothenoylcysteine Decarboxylase; PPC-DC; PPCDC; COAC
Species:	Human
Source:	E. coli
Accession:	Q96CD2 (M1-S204)
Gene ID:	60490
Molecular Weight:	Approximately 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>
Appearance	Solution.
Formulation	Supplied as a 0.2 µm filtered solution of 20 mM Tris-HCl, 50 mM NaCl, 1 mM DTT, 10% Glycerol, pH 8.0.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	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	<p>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 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.</p>
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Caution: Product has not been fully validated for medical applications. For research use only.

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