

PDRG1 Protein, Human (His)

Cat. No.:	HY-P76537
Synonyms:	p53 and DNA damage-regulated protein 1; PDRG1; C20orf126; PDRG
Species:	Human
Source:	E. coli
Accession:	Q9NUG6 (M1-G133)
Gene ID:	81572
Molecular Weight:	Approximately 12 kDa

PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, 10% Glycerol, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
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	The PDRG1 protein is suggested to potentially play a role in chaperone-mediated protein folding. It is identified as a component of the PAQosome complex, responsible for the biogenesis of several protein complexes. The PAQosome consists of R2TP complex members RUVBL1, RUVBL2, RPAP3, and PIH1D1, along with URI complex members PFDN2, PFDN6, PDRG1, UXT, and URI1, as well as ASDURF, POLR2E, and DNAAF10/WDR92. The presence of PDRG1 in the PAQosome complex highlights its potential involvement in coordinating the assembly and maturation of various protein complexes, emphasizing its significance in cellular processes related to protein folding and complex biogenesis. The intricate composition of the PAQosome underscores the need for further investigation to elucidate the specific functions and molecular interactions of PDRG1 within this dynamic cellular complex.
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Caution: Product has not been fully validated for medical applications. For research use only.

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