

Recombinant Human PDRG1, His-tagged

Cat. No. PDRG1-2858H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human PDRG1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. MW = 17.6 kDa (153aa) confirmed by MALDI-TOF.
Species	Human
Source	E.coli
Description	PDRG1, also known as PDRG or C20orf126, is a 133 amino acid protein that localizes to the cytoplasm and belongs to the prefoldin subunit β family. Expressed predominately in normal testicular tissue, PDRG1 is functionally induced by ultraviolet light and is thought to play a role in chaperone-mediated protein folding, possibly playing a role in cellular degradation. It is associated with Creutzfeldt-Jakob disease, amyotrophic lateral sclerosis, spinal muscular atrophy, ring chromosome 20 epilepsy syndrome and Alagille syndrome.
Sequences Of Amino Acids	MGSSHHHHHH SSGLVPRGSH MLSPEAERVL RYLVEVEELA EEVLADKRQI VDLDTKRNQN REGLRALQKD LSLSEDMVC FGNMFIKMPH PETKEMIEKD QDHLDEIEK LRKQLKVKVN RLFEAQGKPE LKGFNLNPLN QDELKALKVI LKG
Purity	> 90% by SDS – PAGE.
Form	Liquid. In 20 mM Tris-HCl buffer (pH8.0) containing 0.2M NaCl, 5mM DTT, 20% glycerol.

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Concentration	0.5 mg/ml (determined by Bradford assay).
Storage	Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.
GENE INFORMATION	
Gene Name	PDRG1 p53 and DNA-damage regulated 1 [Homo sapiens]
Synonyms	PDRG1; p53 and DNA-damage regulated 1; PDRG; C20orf126; p53 and DNA damage-regulated protein 1; chromosome 20 open reading frame 126; dJ310O13.3
Gene ID	81572
mRNA Refseq	NM_030815
Protein Refseq	NP_110442
MIM	610789
UniProt ID	Q9NUG6
Chromosome Location	20q11.21
Function	unfolded protein binding