Recombinant human PDRG1 protein

Catalog Number: ATGP0785

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-133aa

UniProt No.
Q9NUG6

NCBI Accession No.
NP_110442

Alternative Names
p53 and DNA-damage regulated 1, C20orf126, PDRG

PRODUCT SPECIFICATION

Molecular Weight
17.6 kDa (153aa) confirmed by MALDI-TOF

Concentration
0.5mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 5mM DTT, 20% glycerol

Purity
> 90% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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 beta 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. Recombinant human PDRG1 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using

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conventional chromatography techniques.

Amino acid Sequence

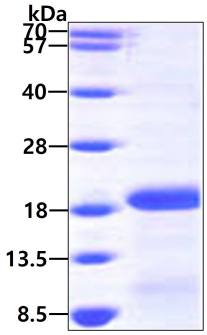
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General References

Russell RB., et al. (2008) Nat Chem Biol. 4(11):666-73.
Luo X., et al. (2003) Oncogene. 22(46):7247-57.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.