

## Recombinant Human PARG, GST-tagged

Cat. No. PARG-1528H    Lot. No. (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human PARG protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.                                                                                                                                                                                                                                                                 |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                   |
| <b>ProteinLength</b>    | 617-976aa                                                                                                                                                                                                                                                                                                                                                                |
| <b>Storage</b>          | The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.                                                                                                                                                                                                                                                                                |
| <b>Storage Buffer</b>   | 1M PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH8. ) added with 100mM GSH and 1% Triton X-100, 15% glycerol.                                                                                                                                                                                                        |
| <b>Form</b>             | Supplied as a 0.2 µm filtered solution in PBS (pH8.0).                                                                                                                                                                                                                                                                                                                   |
| <b>Description</b>      | Poly(ADP-ribose) glycohydrolase (PARG) is the major enzyme responsible for the catabolism of poly(ADP-ribose), a reversible covalent-modifier of chromosomal proteins. The protein is found in many tissues and may be subject to proteolysis generating smaller, active products. Several transcript variants encoding different isoforms have been found for this gene |
| <b>Molecular Mass</b>   | ~68.2 kDa                                                                                                                                                                                                                                                                                                                                                                |

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|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity</b>        | >90%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Concentration</b> | 0.4 mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>AA Sequence</b>   | <p>MSPILGYWKIKGLVQPTRLLEYLEEKYEEHLYERDEGDKWRNKKFELGLEFPNLPY<br/> YIDGDVKLTQSMAIRYIADKHNMLGGCPKERAIEISMLEGAVLDIRYGVSRAYSKD<br/> FE TLKVDFLSKLPEMLKMFEDRLCHKTYLNGDHVTHPDFMLYDALDVVLYMDPMCLDA<br/> F PKLVCFKKRIEAI PQIDKYLKSSKYIAWPLQG WQATFGGGDHPPKSDLVPRGSGSQ<br/> K MNHSITMSQE QIASLLAN AFFCTFPRRNAKMKSEYSSYPDINFNRLFEGRSSRKPE<br/> K LKTLFCYFRRVTEKKPTGLVTFTRQSLEDFPEWERCEKPLTRLHVITYEGTIEENGQ<br/> G MLQVDFANRFVGGGVTSAGLVQEEIRFLINPELIISRLFTEVL DHNECLIITGTEQYS<br/> E YTGYAETYRWSRSHEDGSERDDWQRRCTEIVAIDALHFRRYLDQFVPEKMRREL<br/> N KAYCGFLRPGVSSENLSAVATGNWGC GAFGGDARLKALIQILAAAAAERDVVYFT<br/> F GDSELMRDIYSMHIFLTERKLTVG DVYKLLLRYYNEECRNCSTPGPDIKLYPFIYHA<br/> V ESCAETADHSGQRTGTAAAS</p> |

## GENE INFORMATION

|                        |                                                                                                                                                                      |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | PARG poly (ADP-ribose) glycohydrolase [ Homo sapiens ]                                                                                                               |
| <b>Official Symbol</b> | PARG                                                                                                                                                                 |
| <b>Synonyms</b>        | PARG; poly (ADP-ribose) glycohydrolase; poly(ADP-ribose) glycohydrolase;<br>poly(ADP-ribose) glycohydrolase 60 kDa isoform; PARG99; FLJ54459; FLJ60257;<br>FLJ60456; |
| <b>Gene ID</b>         | 8505                                                                                                                                                                 |
| <b>mRNA Refseq</b>     | NM_003631                                                                                                                                                            |
| <b>Protein Refseq</b>  | NP_003622                                                                                                                                                            |

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|----------------------------|----------------------------------------------------------------------------------|
| <b>MIM</b>                 | 603501                                                                           |
| <b>UniProt ID</b>          | Q86W56                                                                           |
| <b>Chromosome Location</b> | 10q11.23                                                                         |
| <b>Function</b>            | chromatin binding; hydrolase activity; poly(ADP-ribose) glycohydrolase activity; |

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