

## Recombinant Human EXOG, GST-tagged

Cat. No. EXOG-12592H Lot. No. (See product label)

### SPECIFICATION

|                  |                                                                                                                                                                                                                                                                                                                                                                          |
|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Overview | Recombinant Human EXOG protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.                                                                                                                                                                                                                                                                 |
| Species          | Human                                                                                                                                                                                                                                                                                                                                                                    |
| Source           | E.coli                                                                                                                                                                                                                                                                                                                                                                   |
| ProteinLength    | C-term-228a.a.                                                                                                                                                                                                                                                                                                                                                           |
| Description      | This gene encodes an endo/exonuclease with 5-3 exonuclease activity. The encoded enzyme catalyzes the hydrolysis of ester linkages at the 5 end of a nucleic acid chain. This enzyme is localized to the mitochondria and may play a role in programmed cell death. Alternatively spliced transcript variants have been described. A pseudogene exists on chromosome 18. |
| Storage          | The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.                                                                                                                                                                                                                                                                                |
| Storage Buffer   | 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.                                                                                                                                                                                                        |

### GENE INFORMATION

|           |                                                                   |
|-----------|-------------------------------------------------------------------|
| Gene Name | EXOG endo/exonuclease (5-3), endonuclease G-like [ Homo sapiens ] |
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|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Official Symbol</b>     | EXOG                                                                                                                                                                                                                                                                                                       |
| <b>Synonyms</b>            | EXOG; endo/exonuclease (5-3), endonuclease G-like; ENDOGL1, ENDOGL2, endonuclease G like 1 , endonuclease G like 2; nuclease EXOG, mitochondrial; ENGL; ENGL a; ENGL b; endo G-like 1; endonuclease G-like 1; endonuclease G-like 2; ENGLA; ENGLB; ENGL-a; ENGL-b; ENDOGL1; ENDOGL2; MGC125944; MGC125945; |
| <b>Gene ID</b>             | 9941                                                                                                                                                                                                                                                                                                       |
| <b>mRNA Refseq</b>         | NM_001145464                                                                                                                                                                                                                                                                                               |
| <b>Protein Refseq</b>      | NP_001138936                                                                                                                                                                                                                                                                                               |
| <b>MIM</b>                 | 604051                                                                                                                                                                                                                                                                                                     |
| <b>UniProt ID</b>          | Q9Y2C4                                                                                                                                                                                                                                                                                                     |
| <b>Chromosome Location</b> | 3p21.3                                                                                                                                                                                                                                                                                                     |
| <b>Function</b>            | endonuclease activity; hydrolase activity; metal ion binding; nucleic acid binding;                                                                                                                                                                                                                        |