

## Recombinant Mouse Sqor Protein, Myc/DDK-tagged

**Cat. No.** Sqor-6119M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                      |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Purified recombinant protein of mouse full-length sulfide quinone oxidoreductase (Sqor), with C-terminal MYC/DDK tag, expressed in HEK293T cells.                                                                                                                                                                                    |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                                                |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                               |
| <b>Description</b>      | Catalyzes the oxidation of hydrogen sulfide with the help of a quinone, such as ubiquinone-10, giving rise to thiosulfate and ultimately to sulfane (molecular sulfur) atoms. Requires an additional electron acceptor; can use sulfite, sulfide or cyanide (in vitro). It is believed the in vivo electron acceptor is glutathione. |
| <b>Molecular Mass</b>   | 50.3 kDa                                                                                                                                                                                                                                                                                                                             |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                                                                                          |
| <b>Stability</b>        | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.                                                                                                                                                                                        |
| <b>Storage</b>          | Store at -80 centigrade after receiving vials.                                                                                                                                                                                                                                                                                       |
| <b>Concentration</b>    | >50 µg/mL as determined by microplate BCA method                                                                                                                                                                                                                                                                                     |
| <b>Storage Buffer</b>   | 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.                                                                                                                                                                                                                                                                                |

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## GENE INFORMATION

|                        |                                                                                                                                                                                                 |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | Sqor sulfide quinone oxidoreductase [ Mus musculus (house mouse) ]                                                                                                                              |
| <b>Official Symbol</b> | Sqor                                                                                                                                                                                            |
| <b>Synonyms</b>        | Sqor; sulfide quinone oxidoreductase; Sq; Sqrdl; 0610039J17Rik; 4930557M22Rik; sulfide:quinone oxidoreductase, mitochondrial; flavo-binding protein; sulfide quinone reductase-like; EC 1.8.5.8 |
| <b>Gene ID</b>         | 59010                                                                                                                                                                                           |
| <b>mRNA Refseq</b>     | NM_021507                                                                                                                                                                                       |
| <b>Protein Refseq</b>  | NP_067482                                                                                                                                                                                       |
| <b>UniProt ID</b>      | Q9R112                                                                                                                                                                                          |

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