

Recombinant Mouse Sqor Protein, Myc/DDK-tagged

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

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length sulfide quinone oxidoreductase (Sqor), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	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.
Molecular Mass	50.3 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

GENE INFORMATION

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

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