

# L-Selenomethionine

Catalog Number A39247

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**WARNING!** Read the Safety Data Sheets (SDSs) and follow the handling instructions. Wear appropriate protective eyewear, clothing, and gloves. Safety Data Sheets (SDSs) are available from [thermofisher.com/support](http://thermofisher.com/support).

## Product description

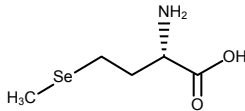
L-Selenomethionine is a naturally occurring amino acid containing selenium that is commonly used for labeling the methionine residues of proteins to facilitate structural determination by x-ray crystallography. L-Selenomethionine is an antioxidant and has been shown to increase glutathione peroxidase activity in endothelial cells.

For detailed instructions on protein labeling with L-Selenomethionine in Expi293F™ Cells, refer to *Expi293™ Expression System User Guide* (MAN0007814) at [thermofisher.com](http://thermofisher.com).

## Contents and storage

Contents	Amount	Storage
L-Selenomethionine	250 mg	<ul style="list-style-type: none"> <li>-20°C</li> <li>Protect from heat and away from oxidizing agents</li> </ul>

## Specifications

Information	Details
CAS number	3211-76-5
Synonyms	[S]-2-Amino-4-(methylseleno)butyric acid
Empirical formula	C <sub>5</sub> H <sub>11</sub> NO <sub>2</sub> Se
Structure	
Molecular weight	196.11 g/mol
Solubility	Soluble in water

## Required materials not supplied

Unless otherwise indicated, all materials are available through [thermofisher.com](http://thermofisher.com). MLS: Fisher Scientific ([fisherscientific.com](http://fisherscientific.com)) or other major laboratory supplier.

Item	Source
Expi293F™ cells	A14527
Expi293™ Expression Medium	A1435101
Expi293™ Met (-) Expression Medium	A4096701
Expi293™ Met (-) Protein Labeling Kit	A41249
ExpiFectamine™ 293 Met (-) Transfection Kit	A39249
Opti-Plex™ Complexation Buffer	A4096801
Nalgene™ Single-Use PETG Erlenmeyer Flasks with Plain Bottom: Sterile	4115-0125

## Handling guideline

- Always wear gloves, mask, a laboratory coat, and safety glasses when handling L-Selenomethionine and L-Selenomethionine-containing solutions.
- Keep container tightly sealed.
- Ensure good ventilation at the workplace.
- Open and handle container with care.

## Limited product warranty

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Revision	Date	Description
A.0	14 April 2019	New document.

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