

## LANCL1 Protein, Human, Recombinant (His & Myc)

### General Information

|                       |   |
|-----------------------|---|
| Synonyms:             | LanC-like protein 1;LANCL1;40 kDa erythrocyte membrane protein (p40);Glutathione S-transferase LANCL1;GPR69A  |
| Protein Construction: | 2-399 aa  |
| Species:              | Human   |
| Expression Host:      | E. coli   |
| Accession:            | O43813  |
| Molecular Weight:     | 52.6 kDa (predicted)  |
| AA Sequence:          | AQRAFNPYADYNKSLAEGYFDAAGRLTPEFSQRLTNKIRELLQQMERGLKSADPRDGTGYTGWAGIAVLYLHLYDVFVGDPAAYLQLAHGYVKQSLNCLTKRSITFLCGDAGPLAVAAVLYHKMNNEKQAEDCITRLIHLNKIDPHAPNEMLYGRIGYIYALLFVNKNFGVEKIPQSHIQQICETILTSGENLARKRNFTAKSPLMYEWYQEYYVGA AHGLAGIYYLQMPSLQVSQGLHSLVKPSVDYVCQLKFPSPGNYPCCIGDNRDLLVHWCHGAPGVIYMLIQAYKVFREKYLCDAYQCADVIWQYGLLKKGYGLCHGSAGNAYFLTLYNLTQDMKYLYRACKFAEWCLYGEHGCRTPDTPFSLFEGMAGTIYFLADLLVPTKARFPAPFEL |

### QC Testing

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|----------------------|---|
| Biological Activity: | Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first. |
| Purity:              | > 85% as determined by SDS-PAGE.  |
| Endotoxin:           | < 1.0 EU/μg of the protein as determined by the LAL method.   |
| Formulation:         | Tris-based buffer, 50% glycerol   |

### Preparation and Storage

#### Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

#### Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

#### Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

### Protein Background

Functions as glutathione transferase. Catalyzes conjugation of the glutathione (GSH) to artificial substrates 1-

## A DRUG SCREENING EXPERT

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chloro-2,4-dinitrobenzene (CDNB) and p-nitrophenyl acetate. Mitigates neuronal oxidative stress during normal postnatal development and in response to oxidative stresses probably through GSH antioxidant defense mechanism. May play a role in EPS8 signaling. Binds glutathione.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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