

Mouse Trop-2, His Tag, HEK293

Catalog Number	LDG028PMM
Package	5 µg / 20 µg / 100 µg / Customized package

For full product information, images and publications, please visit [our website](#).



Specifications

Species of Origin

Mouse

Expression System

HEK293

Affinity Tag

His Tag (C-term)

Storage Buffer

Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.

Purity

>95% as determined by SDS-PAGE analysis.

Molecular weight

The protein has a calculated MW of 33 kDa.
The protein migrates as 35-45 kDa under reducing condition (SDS-PAGE analysis).

Activity

Measured by the ability of the immobilized protein to support the adhesion of U937 human histiocytic lymphoma cells. The ED50 for this effect is <20 µg/mL.

Endotoxin Level

<0.1 EU per 1 µg of the protein by the LAL method.

Mycoplasma

Not detected

Form

Lyophilized

Background

Tainan Headquarters

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Background

Trop-2, also known as TACSTD2 (Tumor-Associated Calcium Signal Transducer 2), is a cell surface glycoprotein encoded by the TACSTD2 gene. It is widely expressed in various epithelial tissues and overexpressed in many cancers, including breast, lung, colorectal, and pancreatic cancers. Trop-2 plays a crucial role in promoting tumor growth, metastasis, and resistance to therapy, making it an attractive target for cancer diagnosis and treatment. Its involvement in cell proliferation, migration, and survival pathways underscores its significance as a potential biomarker for disease prognosis and a therapeutic target. Research efforts are ongoing to develop targeted therapies, such as monoclonal antibodies and antibody-drug conjugates, aimed at inhibiting Trop-2 activity and improving cancer treatment outcomes. Understanding the complex roles of Trop-2 in cancer biology holds promise for advancing precision medicine strategies and improving patient care.

Uniprot ID

Q8BGV3

Synonyms

Tumor-associated calcium signal transducer 2, Cell surface glycoprotein Trop-2

Sequence Note

Met1-Gly270

Instruction

Reconstitution

It is recommended to reconstitute the lyophilized protein in sterile H₂O to a concentration not less than 0.2 mg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

Shipping

The product is shipped with polar packs. Upon receipt, store it immediately at -20°C or lower for long term storage.

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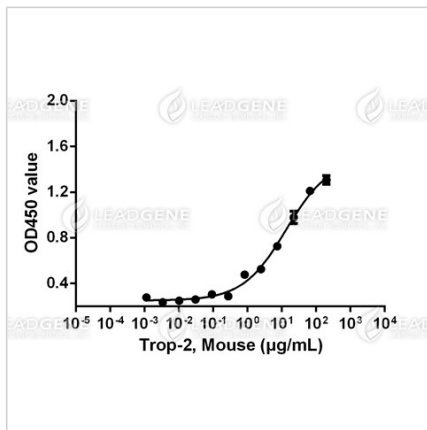
Stability & Storage

This product is stable after storage at:

- -20°C for 12 months in lyophilized state from date of receipt.
- -20°C or -80°C for 1 month under sterile conditions after reconstitution.

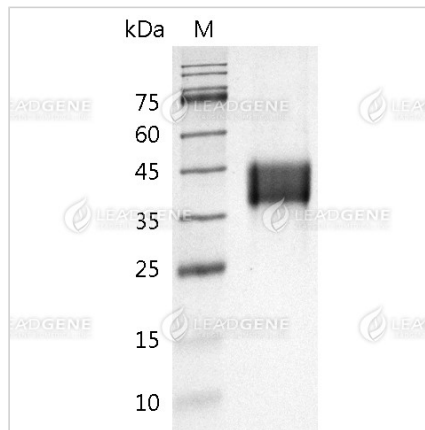
Avoid repeated freeze/thaw cycles.

Image



Measured by the ability of the immobilized protein to support the adhesion of U937 human histiocytic lymphoma cells. The ED50 for this effect is <20 µg/mL.

Activity analysis of recombinant Mouse Trop-2, His Tag, HEK293.



SDS-PAGE analysis of recombinant mouse trop-2.

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