

For Research Use Only

Recombinant Mouse MST1R protein (rFc Tag) (HPLC verified)



Catalog Number: Eg2647

Basic Information

Species:
Mouse

Purity:
>90 %, SDS-PAGE
 >90 %, SEC-HPLC

Tag:
rFc Tag

Technical Specifications

Purity:
>90 %, SDS-PAGE
 >90 %, SEC-HPLC

Endotoxin Level:
<0.1 EU/μg protein, LAL method

Source:
CHO-derived Mouse MST1R protein Thr25-Arg960 (Accession# Q62190-1) with a rabbit IgG Fc tag at the C-terminus.

GeneID:
19882

Accession:
Q62190-1

Predicted Molecular Mass:
127.2 kDa

SDS-PAGE:
28-32 kDa, 90-120 kDa and 200-220 kDa, reducing (R) conditions

Formulation:
Lyophilized from 0.22 μm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

Biological Activity

Not tested

Storage and Shipping

Storage:

It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

Shipping:

The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

Background

Mst1r (macrophage-stimulating 1 receptor), encodes a cell surface receptor for macrophage-stimulating 1 (MST1, also known as MSP) with tyrosine kinase activity. Mst1r is critical for innate immunity and plays an important role for host defense against viral infection. The upregulation of MST1R tyrosine kinase expression is a molecular event of particular interest in many epithelial neoplasms, as it can mediate oncogenic phenotypes and addiction to KRAS signaling.

References

1. Dai W, et al. (2016). Proc Natl Acad Sci U S A. Mar 22;113(12):3317-22.
2. Babicky, M. L., et al. (2019). Oncogene. Jul;38(28):5599-5611.
3. Wang W, et al. (2024). Cell Biosci. Aug 29;14(1):109.

Synonyms

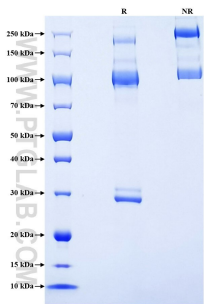
CD136, EC:2.7.10.1, Macrophage-stimulating protein receptor, Macrophage-stimulating protein receptor alpha chain, Macrophage-stimulating protein receptor beta chain

For technical support and original validation data for this product please contact

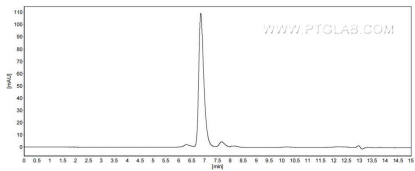
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Selected Validation Data



Purity of Recombinant Mouse MST1R was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.



The purity of Mouse MST1R was greater than 90% as determined by SEC-HPLC.