For Research Use Only

Recombinant Human SUSD2 protein (rFc Tag)

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Catalog Number: Eg2627

Basic Information

Species:
Human

Purity:
>90 %, SDS-PAGE

Tag:
C-rFc

Technical Specifications

Purity:
>90 %, SDS-PAGE

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

Source:
HEK293-derived Human SUSD2 protein Gln28-Arg782 (Accession# Q9UGT4) with a rabbit IgG Fc tag at the C-terminus.

GeneID:
56241

Accession:
Q9UGT4

Predicted Molecular Mass:
109.4 kDa

SDS-PAGE:
50-55 kDa and 70-85 kDa, reducing (R) condition

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℃ to -80℃ as lyophilized proteins.
- 3 months, -20℃ to -80℃ 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

Sushi domain containing 2 (SUSD2) is a type I transmembrane protein that encodes a type I transmembrane protein containing several functional domains inherent to adhesion molecules, which are frequently found in molecules associated with cell-cell and cell-matrix adhesion. Expression of SUSD2 in cancer cells correlates either positively or negatively with tumor growth, depending on the cancer type. Expression of Susd2 by mammary tumors promotes many aspects of breast tumorigenesis, including tumor immune evasion, angiogenesis and metastasis.

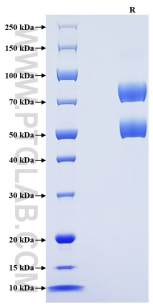
References

1. Sheets, J. N., et al. (2020). Oncotarget. Jun 16;11(24):2290-2301.
2. Zhao B, et al. (2022). Nat Immunol. Nov;23(11):1588-1599.
3. Patrick, M. E., et al. (2019). Int J Mol Sci. Aug 5;20(15):3814.
4. Watson, A. P., et al. (2013). Mol Cancer Res. Jan;11(1):74-85.

Synonyms

SUSD2, BK65A6.2, sushi domain containing 2

Selected Validation Data



Purity of Recombinant Human SUSD2 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) condition and stained using Coomassie blue.