# Recombinant Human SUSD4/Sushi domain-containing protein 4 Protein (Fc Tag)

**Catalog Number:PKSH030623**

***Note:*** Centrifuge before opening to ensure complete recovery of vial contents.

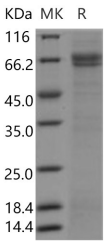
## Description

| | |
|---|---|
| **Synonyms** | PRO222 |
| **Species** | Human |
| **Expression Host** | HEK293 Cells |
| **Sequence** | Met 1-Phe290 |
| **Accession** | Q5VX71-3 |
| **Calculated Molecular Weight** | 53.8 kDa |
| **Observed molecular weight** | 67 kDa |
| **Tag** | C-mFc |

## Properties

| | |
|---|---|
| **Purity** | > 85 % as determined by reducing SDS-PAGE. |
| **Endotoxin** | < 1.0 EU per μg of the protein as determined by the LAL method. |
| **Storage** | Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80℃. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ for 3 months. |
| **Shipping** | This product is provided as lyophilized powder which is shipped with ice packs. |
| **Formulation** | Lyophilized from sterile PBS, pH 7.4<br>Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.<br>Please refer to the specific buffer information in the printed manual. |
| **Reconstitution** | Please refer to the printed manual for detailed information. |

## Data




> 85 % as determined by reducing SDS-PAGE.

## Background

SUSD4, also known as sushi domain-containing protein 4, is a hypothetical cell surface protein whose tissue distribution and function are completely unknown. SUSD4 is detectable in murine brains, eyes, spinal cords, and testis but not other tissues. In brains, SUSD4 is highly expressed in the white matter on oligodendrocytes/axons, and in eyes, it is exclusively expressed on the photoreceptor outer segments. In in vitro complement assays, SUSD4 augments the alternative but not the classical pathway of complement activation at the C3 convertase step. SUSD4 deficiency may cause autism or Fryns syndrome, both of which are genetic diseases with severe abnormal neurological development and/or functions.

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