



Recombinant Protein Technical Manual

Recombinant Human SUSD4/Sushi domain-containing protein 4 Protein (Fc Tag)
RPES4998

Product Data:

Product SKU: RPES4998

Size: 20µg

Species: Human

Expression host: HEK293 Cells

Uniprot: Q5VX71-3

Protein Information:

Molecular Mass: 53.8 kDa

AP Molecular Mass: 67 kDa

Tag: C-Fc

Bio-activity:

Purity: > 85 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C 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

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: PRO222

Immunogen Information:

Sequence: Met 1-Phe290

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.