



Recombinant Protein Technical Manual

Recombinant Human VSIG4 Protein (Fc Tag)

RPES2646

Product Data:

Product SKU: RPES2646

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: Q9Y279

Protein Information:

Molecular Mass: 56.3 kDa

AP Molecular Mass: 75 kDa

Tag: C-Fc

Bio-activity:

Purity: > 95 % 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 a 0.2 µm filtered solution of PBS, pH7.4.

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

Application:

Synonyms: V-set and immunoglobulin domain-containing protein 4; VSIG4; Protein Z39Ig; Z39IG; CRIG

Immunogen Information:

Sequence: Arg20-Val284

Background:

V-set and immunoglobulin domain-containing protein 4 (VSI4) is a transmembrane protein that contains a signal peptide, a V-type Ig-like domain, a C2-type Ig-like domain, several potential O-glycosylation sites, and an intracellular domain with 2 potential phosphorylation sites and is structurally related to the B7 family of immune regulatory proteins. This protein is also a receptor for the complement component 3 fragments C3b and iC3b. The main function is strong negative regulator of T-cell proliferation and IL2 production and it is also a potent inhibitor of the alternative complement pathway convertases. It is abundantly expressed in several fetal tissues such as adult tissues, highest expression in lung and placenta and it is also expressed in resting macrophages.