



Recombinant Protein Technical Manual

Recombinant Rat LAG3/CD223 Protein (His Tag)

RPES4468

Product Data:

Product SKU: RPES4468

Size: 50µg

Species: Rat

Expression host: HEK293 Cells

Uniprot: Q5BK54

Protein Information:

Molecular Mass: 47.1 kDa

AP Molecular Mass: 55 kDa

Tag: C-His

Bio-activity:

Purity: > 90 % as determined by SDS-PAGE

Endotoxin: < 1.0 EU per µg of the protein 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 20 mM NaAc, 500 mM NaCl, 10 % Glycerol, 0.02 % tween 20, pH 5.5

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

Application:

Synonyms: LAG3

Immunogen Information:

Sequence: Met1-Leu442

Background:

LAG3, also known as CD223 and Lymphocyte activation gene 3, belongs to immunoglobulin (Ig) superfamily. LAG3 contains 4 extracellular Ig-like domains. The LAG3 gene contains 8 exons. It is selectively expressed in activated T and NK cells. LAG3 has a negative regulatory function in T cells. It also acts as a new marker of T cell induced B cell activation. As a soluble molecule, LAG3 activates antigen-presenting cells through MHC class II signalling, leading to increased antigen-specific T-cell responses in vivo.