



Recombinant Protein Technical Manual
Recombinant Rat CLEC4D/CLECSF8 Protein (His Tag)
RPES0447

Product Data:

Product SKU: RPES0447

Size: 20µg

Species: Rat

Expression host: HEK293 Cells

Uniprot: Q69FH1

Protein Information:

Molecular Mass: 22.3 kDa

AP Molecular Mass: 29 kDa

Tag: N-His

Bio-activity:

Purity: > 88 % 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 PBS, pH 7.4

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

Application:

Synonyms: CLEC4D;Clecsf8;Mcl

Immunogen Information:

Sequence: Trp48-Lys218

Background:

C-type lectin (CLEC) family is a type of carbohydrate-binding protein domain named lectin. C-type lectins are the most diverse and prevalent lectin family in immunity with its requirement for calcium for binding. Proteins including a C-type lectin domain have diverse range of functions including cell-cell adhesion, immune response to pathogens and apoptosis. There are at least 14 types of C-type lectins: type I to type XIV. CLEC4D(CLECSF8) is a type II membrane glycoprotein belonging to the C-type lectin family, with restricted expression in the monocyte/macrophage lineage. It plays important roles in the function of macrophages.