



Recombinant Protein Technical Manual
Recombinant Human KEL/CD238 Protein (His Tag)
RPES2930

Product Data:

Product SKU: RPES2930

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: P23276

Protein Information:

Molecular Mass: 78.4 kDa

AP Molecular Mass: 8520 kDa

Tag: C-6His

Bio-activity:

Purity: > 95 % as determined by reducing SDS-PAGE.

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

Storage: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.

Shipping: This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C.

Formulation: Supplied as a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.4.

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

Application:

Synonyms: Kell blood group glycoprotein; CD238; KEL

Immunogen Information:

Sequence: Asn68-Trp732

Background:

Kell blood group glycoprotein (KEL) is a single-pass type II membrane protein which belongs to the peptidase M13 family. It is expressed in erythrocytes and testis, and, at lower levels, in skeletal muscle, tonsils, lymph node, spleen and appendix. KEL has been shown to have zinc endopeptidase with endothelin-3-converting enzyme activity. It cleaves EDN1, EDN2 and EDN3, with a marked preference for EDN3. It links via a single disulfide bond to the XK membrane protein that carries the Kx antigen.