

32-6812: KEL Mouse

Alternative Name :

kell blood group antigen, kell blood group glycoprotein, Kell blood group, Kell blood group glycoprotein homolog, KEL, Kell, CD238 antigen, CD238, ECE3, Kell blood group-metalloendopeptidase, Kell blood group-metalloendopeptidase.

Description

Source: Sf9, Baculovirus cells.

Sterile Filtered colorless solution.

Kell blood group glycoprotein homolog or KEL, is an enzyme, part of the zinc endopeptidase of the neprilysin (NEP) group of proteins. KEL has a crucial part in the production of the potent bioactive ET-3, which also includes enzymes that are endothelin converting enzymes (PEX, XCE, DINE & various NEP-like proteins). KEL uses a single disulfide bond to XK, a gated membranal transporter. The Kell antigen system that includes two proteins, is very crucial among blood group systems.

KEL Mouse produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 674 amino acids (49-713 aa) and having a molecular mass of 76.3kDa. KEL is fused to a 9 amino acid His tag at C-terminus and purified by proprietary chromatographic techniques.

Product Info

Amount :

2 µg / 10 µg

Purification :

Greater than 90.0% as determined by SDS-PAGE.

Content :

The KEL solution (0.25mg/ml) contains 10% Glycerol and Phosphate-Buffered Saline (pH 7.4).

Storage condition :

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Amino Acid :

ADPIFRNCGP CPCETPVCME LLDHYLASGN RSVAPCTDFF SFACEKANGT SDSFQALTEE NKSRLWRLL
APGSWHLGSG EEKAFQFYNS CMDTDAIEAS GSGPLIQIIE ELGGWNITGN WTSLDFNQNL RLLMSQYGHF
PFFRAYLRPH PAPPHTPIIQ IDQPEFDILL QQEQEQKVYA QILREYVTYL NRLGTLGSGN PQEAQQHASW
SIVFTSRLFQ FLRPQQQQQA QDKLFHVVTI DELQEMAPAI DWLSCLQAIF TPMSLNSSQT LVVHDLDYLR
NMSQLVEEGL LNHRESIQSY MILGLVDTLS PALDTKFQEA RRELIQELRK LKERPPLPAY PRWMKCVEQT
GAFFEPTLAA LRVREAFGPS IQSAAMELFA EIKDAVIIRL KKLSWISEET QKEALNKLAQ LQVEMGAPKR
AVKPDIAATQE YNDIQLGPSF LQSFLSCVRS LRARNVQSFL QPFYHRWQK SPWEVNAYYS ISDHMVVFFA
GLLQPPFFHP GYPRAVNFQA AGSIMAHELL HIFYQLLLPG GCPACDTHVL QEALLCLERH YAAFPLPSIS
SFNGSHTLLE NAADIGGVAI AFQAYSKRIV EHTGELTLPN LDLSPYQLFF RSYAQVMCRG LSSQDPQDPH
SPPSLRVHGP LSNTPDFAKH FHCPRGTLN PSARCKLWHH HHHH.