
Product Data Sheet

Product Name: KEL Mouse
 Cat. No.: GP26160
 Batch No.: 1

Product Data

Purity >98% Source Sf9,Baculovirus cells.

Physical Appearance solid Shipping Condition withIcePacks

Synonyms 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.

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

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

Introduction

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

Caution: Product has not been fully validated for medical applications. For research use only.

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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.

Stability

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.

Background

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.

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