

Datasheet for ABIN7596402
KEL Protein (AA 49-713) (His tag)



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Overview

Quantity:	250 µg
Target:	KEL
Protein Characteristics:	AA 49-713
Origin:	Mouse
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This KEL protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	IFRNCGP CPCETPVCME LLDHYLASGN RSVAPCTDFF SFACEKANGT SDSFQALTEE NKSRLWRLLE APGSWHLGSG EEKAFQFYNS CMDTDAIEAS GSGPLIQIIE ELGGWNITGN WTSLDFNQNL RLLMSQYGHF PFFRAYLRPH PAPPHTPIIQ IDQPEFDILL QQEQEQKVYA QILREYVTYL NRLGTLLGSN PQEAQQHASW SIVFTSRLFQ FLRPQQQQQA QDKLFHVVTI DELQEMAPAI DWLSCLQAIF TPMSLNSSQT LVVHDLDYLR NMSQLVEEGL LNHRESIQSY MILGLVDTLS PALDTKFQEA RRELIELERK LKERPLPAY PRWMKCVEQT GAFFEPTLAA LFVREAFGPS IQSAAMELFA EIKDAVIIRL KKLSWISEET QKEALNKLAQ LQVEMGAPKR AVKPDIAEQE YNDIQLGPSF LQSFLSCVRS LRARNVQSFL QFPYHRWQK SPWEVNAYYS ISDHMVVFPA GLLQPPFFHP GYPRAVNFGA AGSIMAHELL HIFYQLLLPG GCPACDTHVL QEALLCLERH YAAFPLPSIS SFNGSHTLLE NAADIGGVAI AFQAYSKRIV EHTGELTLPN LDLSPYQLFF RSYAQVMCRG LSSQDPQDPH SPPSLRVHGP LSNTPDFAKH FHCPRGTLLN PSARCKLW
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Product Details

Purity:	> 90% by SDS-PAGE
Endotoxin Level:	< 1 EU per 1ug of protein (determined by LAL method)

Target Details

Target:	KEL
Alternative Name:	Kell (KEL Products)
Background:	Kell, also known as Kell blood group glycoprotein homolog, is a member of the zinc endopeptidase of the neprilysin (NEP) family. It is an enzyme whose principal known function is the production of a potent bioactive peptide, ET-3. It also includes endothelin converting enzymes (ECE-1 and ECE-2), PEX, XCE, DINE and several NEP-like proteins. It is linked through a single disulfide bond to XK, a putative membrane transporter. The two proteins constitute the Kell blood group antigens. The Kell antigen system (also known as Kell-Cellano system) is one of the most clinically important blood group systems. Recombinant mouse Kell, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Molecular Weight:	76.3kDa (674aa)
NCBI Accession:	NP_115929

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Can be stored at +2°C to +8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.