

Recombinant Human KEL

Cat. No. KEL-26282TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human Blood Group Kell Antigen containing an N-terminal proprietary tag; Predicted MW 106.59 kDa
Species	Human
Source	Wheat Germ
ProteinLength	732 amino acids
Description	This gene encodes a type II transmembrane glycoprotein that is the highly polymorphic Kell blood group antigen. The Kell glycoprotein links via a single disulfide bond to the XK membrane protein that carries the Kx antigen. The encoded protein contains sequence and structural similarity to members of the neprilysin (M13) family of zinc endopeptidases.
Molecular Weight	106.590kDa inclusive of tags
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.

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Sequences of amino acids

MEGGDQSEEEPRERSQAGGMGTLSQESTPEERLPVEGSR PWAVARRVLTAILIL
 GLLLCFSVLLFYNFQNCGPRPCETS VCLDLRDHYLASGNTSVAPCTDFFSFACGRA
 KETNNSFQE LATKNKNRLRRILEVQNSWHPGSGEEKAFQFYNSCMDTLA IEAAGT
 GPLRQVIEELGGWRISGKWTSLNFNRTLRLLSMSQ YGHFPPFRAYLGPHASPHTPV
 IQIDQPEFDVPLKQDQEQ KIYAQIFREYLTLYNLQGLTLLGGDPSKVQEHSSLSISITS
 RLFQFLRPLEQRRRAQGKLFQMVTIDQLKEMAPAIWLSCL QATFTPMSLSPSQSLV
 VHDVEYLKNMSQLVEEMLLKQRDF LQSHMILGLVVTLSPALDSQFQEARRKLSQKL
 RELTEQPP MPARPRWMKCVEETGTFFIPTLAALFVREAFGPSTRSAAM KLFTAIRD
 ALITRLRNLPWMNEETQNMAQDKVAQLQVEMG ASEWALKPELARQEYNDIQLGSS
 FLQSVLSCVRSRLRARI QSFLLQHPQHRWKVSPWDVNAYYSVSDHVVVFPAGLLQ
 PP FFHPGYPRAVNFGAAGSIMAHELLHIFYQLLLPGGCLACD NHALQEAHLCLKRH
 YAAFLPSRTSFNDSTFLENAADVGLAIALQAYSKRLLRHHGETVLPDLSPQQI
 FFRSYAQV MCRKPSPQDSHDTSPPHLRVHGPLSSTPAFARYFRCARG ALLNPSS
 RCQLW

Sequence

Belongs to the peptidase M13 family.

Similarities

GENE INFORMATION

Gene Name

KEL Kell blood group, metallo-endopeptidase [Homo sapiens]

Official Symbol

KEL

Synonyms

KEL; Kell blood group, metallo-endopeptidase; Kell blood group , Kell blood group, metalloendopeptidase; kell blood group glycoprotein; CD238; ECE3;

Gene ID

3792

mRNA Refseq

NM_000420

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Protein Refseq	NP_000411
MIM	613883
Uniprot ID	P23276
Chromosome Location	7q33
Function	metal ion binding; metalloendopeptidase activity; peptidase activity; protein binding;

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