

## KEL/Kelch-like protein 41 Protein, Human (HEK293, C-His)

<b>Cat. No.:</b>	HY-P70324A
<b>Synonyms:</b>	rHuKell blood group glycoprotein/KEL, His; Kell blood group glycoprotein; CD238; KEL
<b>Species:</b>	Human
<b>Source:</b>	HEK293
<b>Accession:</b>	P23276 (N68-W732)
<b>Gene ID:</b>	3792
<b>Molecular Weight:</b>	Approximately 91.71 kDa

### PROPERTIES

#### AA Sequence

N F Q N C G P R P C	E T S V C L D L R D	H Y L A S G N T S V	A P C T D F F S F A
C G R A K E T N N S	F Q E L A T K N K N	R L R R I L E V Q N	S W H P G S G E E K
A F Q F Y N S C M D	T L A I E A A G T G	P L R Q V I E E L G	G W R I S G K W T S
L N F N R T L R L L	M S Q Y G H F P F F	R A Y L G P H P A S	P H T P V I Q I D Q
P E F D V P L K Q D	Q E Q K I Y A Q I F	R E Y L T Y L N Q L	G T L L G G D P S K
V Q E H S S L S I S	I T S R L F Q F L R	P L E Q R R A Q G K	L F Q M V T I D Q L
K E M A P A I D W L	S C L Q A T F T P M	S L S P S Q S L V V	H D V E Y L K N M S
Q L V E E M L L K Q	R D F L Q S H M I L	G L V V T L S P A L	D S Q F Q E A R R K
L S Q K L R E L T E	Q P P M P A R P R W	M K C V E E T G T F	F E P T L A A L F V
R E A F G P S T R S	A A M K L F T A I R	D A L I T R L R N L	P W M N E E T Q N M
A Q D K V A Q L Q V	E M G A S E W A L K	P E L A R Q E Y N D	I Q L G S S F L Q S
V L S C V R S L R A	R I V Q S F L Q P H	P Q H R W K V S P W	D V N A Y Y S V S D
H V V V F P A G L L	Q P P F F H P G Y P	R A V N F G A A G S	I M A H E L L H I F
Y Q L L L P G G C L	A C D N H A L Q E A	H L C L K R H Y A A	F P L P S R T S F N
D S L T F L E N A A	D V G G L A I A L Q	A Y S K R L L R H H	G E T V L P S L D L
S P Q Q I F F R S Y	A Q V M C R K P S P	Q D S H D T H S P P	H L R V H G P L S S
T P A F A R Y F R C	A R G A L L N P S S	R C Q L W	

**Biological Activity** Data is not available.

**Appearance** Lyophilized powder.

**Formulation** Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.

**Endotoxin Level** <1 EU/µg, determined by LAL method.

**Reconstitution** It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH<sub>2</sub>O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).

**Storage & Stability** Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.

**Shipping**

Room temperature in continental US; may vary elsewhere.

**DESCRIPTION****Background**

KEL/Kelch-like protein 41 functions as a zinc endopeptidase with specific endothelin-3-converting enzyme activity. It demonstrates the ability to cleave endothelin-1 (EDN1), endothelin-2 (EDN2), and endothelin-3 (EDN3), displaying a notable preference for EDN3 over the other substrates. Through its endopeptidase activity, KEL contributes to the processing of endothelin peptides, highlighting its role in the modulation of endothelin signaling pathways.

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

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