

Recombinant Human KLK15 Protein (Met1-Asn256), His-tagged

Cat. No. KLK15-559H **Lot. No.** (See product label)

SPECIFICATION

Product Overview Recombinant Human KLK15 Protein (NP_059979.2) (Met1-Asn256) was produced by HEK293 Cells expression system. This protein was expressed with a polyhistidine tag at the C-terminus.

Species Human

Source HEK293

ProteinLength Met1-Asn256

Description Human kallikrein 15 (KLK15) may have some utility as a prostate, ovarian, and breast cancer biomarker, based on previous studies, which examined mRNA levels of KLK15. Aberrant KLK15 expression is found in breast, ovarian, and prostate cancers. KLK15 over-expression is reported to be a significant predictor of reduced progression-free survival and overall survival in ovarian cancer. Kallikrein 15 (KLK15)/Prostinogen is a plausible candidate for prostate cancer susceptibility. Elevated KLK15 expression has been reported in prostate cancer and it has been described as an unfavorable prognostic marker for the disease.

Predicted N Terminal Gln 17

Form Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.

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Molecular Mass	The recombinant human KLK15 consists of 251 amino acids and predicts a molecular mass of 27.8 kDa.
Endotoxin	< 1.0 EU per µg protein as determined by the LAL method.
Purity	> 85 % as determined by SDS-PAGE.
Stability	Samples are stable for up to twelve months from date of receipt at -70 centigrade.
Storage	Store it under sterile conditions at -20 centigrade to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 mg/ml. Centrifuge the vial at 4°C before opening to recover the entire contents.
Shipping	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

GENE INFORMATION

Gene Name	KLK15 kallikrein-related peptidase 15 [Homo sapiens]
Official Symbol	KLK15
Synonyms	KLK15; kallikrein 15; kallikrein-15; ACO; HSRNASPH; prostinogen; ACO protease;
Gene ID	55554

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mRNA Refseq	NM_017509
Protein Refseq	NP_059979
MIM	610601
UniProt ID	Q9H2R5

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