

Product datasheet

Recombinant Human Kallikrein 4 protein ab151634

Description

Product name	Recombinant Human Kallikrein 4 protein	
Purity	> 95 % SDS-PAGE. ab151634 is greater than 95% pure as determined by SEC-HPLC and reducing SDS-PAGE.	
Endotoxin level	< 1.000 Eu/μg	
Expression system	HEK 293 cells	
Accession	Q9Y5K2	
Protein length	Full length protein	
Animal free	No	
Nature	Recombinant	
Species	Human	
Sequence	<p>SCSQIINGEDCSPHSQPWQAALVMENELFCSGVLVHPQ WWLSAAHCFQNS YTIGLGLHSL EADQEPGSQMVEASLSVRHPEYNRPLLANDLMLIKLDES VSESDTIRISIS IASQCPTAGN SCLVSGWGLLANGRMPTVLQCVNVSVVSEEVCSKLYDP LYHPSMF CAGGG QDQK DSCNGD SGGPLICNGYLQGLVSFGKAPCGQVGVPGVYTNLCKFTE WIEKTVQASVD HHHHHH</p>	
Predicted molecular weight	25 kDa including tags	
Amino acids	27 to 254	
Tags	His tag C-Terminus	

Specifications

Our [Abpromise guarantee](#) covers the use of **ab151634** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE HPLC
Form	Lyophilized

Preparation and Storage

Stability and Storage	Shipped at 4°C. After reconstitution store at -20°C. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 0.32% Tris HCl, 0.88% Sodium chloride
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
General Info	
Tissue specificity	Expressed in prostate.
Involvement in disease	Defects in KLK4 are the cause of amelogenesis imperfecta hypomaturation type 2A1 (AI2A1) [MIM:204700]. AI2A1 is an autosomal recessive defect of enamel formation. The disorder involves both primary and secondary dentitions. The teeth have a shiny agar jelly appearance and the enamel is softer than normal. Brown pigment is present in middle layers of enamel.
Sequence similarities	Belongs to the peptidase S1 family. Kallikrein subfamily. Contains 1 peptidase S1 domain.
Cellular localization	Secreted.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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