

Recombinant Human Tissue kallikrein protein ab151809

Description

Product name	Recombinant Human Tissue kallikrein protein
Purity	> 95 % SDS-PAGE. Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE. Supplied as a 0.2 µM filtered solution.
Endotoxin level	< 0.100 Eu/µg
Expression system	HEK 293 cells
Accession	<u>P06870</u>
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	<p>PPIQSRIVGGWECEQHSQPWQAALYHFSTFQCGGILVHR QWVLTAHCIS DNYQLWLGRHNLFDDENTAQFVHVSESFPHPGFNMSLLE NHTRQADEDYS HDLMLLRLTEPADTITDAVKVVELPTQEPEVGSTCLASGW GSIEPENFSF PDDLQCVDLKILPNDECKKVHVQKVTDFMLCVGHLEGGK DTCVGDSGGPL MCDGVLQGVTSWGYPCGTPNKPSVAVRVLSYVKWIED TIAENSVDHHHH HH</p>
Predicted molecular weight	28 kDa including tags
Amino acids	19 to 262
Tags	His tag C-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab151809** 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	Liquid
Additional notes	Protein previously labeled as Kallikrein 1.

Preparation and Storage

Stability and Storage	Shipped on Dry Ice. Upon delivery aliquot. Store at -80°C. Avoid freeze / thaw cycle. pH: 8.00 Constituents: 0.02% Calcium chloride, 0.32% Tris HCl, 0.88% Sodium chloride
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General Info

Function	Glandular kallikreins cleave Met-Lys and Arg-Ser bonds in kininogen to release Lys-bradykinin.
Tissue specificity	Isoform 2 is expressed in pancreas, salivary glands, kidney, colon, prostate gland, testis, spleen and the colon adenocarcinoma cell line T84.
Sequence similarities	Belongs to the peptidase S1 family. Kallikrein subfamily. Contains 1 peptidase S1 domain.
Post-translational modifications	The O-linked polysaccharides on Ser-93, Ser-104 and Ser-167 are probably the mucin type linked to GalNAc. In PubMed:3163150, GalNAc was detected with the corresponding peptides but not located.

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

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