OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for PH302667

Kallikrein 2 (KLK2) (NM_005551) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	KLK2 MS Standard C13 and N15-labeled recombinant protein (NP_005542)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC202667
Predicted MW:	28.7 kDa
Protein Sequence:	>RC202667 protein sequence Red=Cloning site Green=Tags(s) MWDLVLSIALSVGCTGAVPLIQSRIVGGWECEKHSQPWQVAVYSHGWAHCGGVLVHPQWVLTAAHCLKKN SQVWLGRHNLFEPEDTGQRVPVSHSFPHPLYNMSLLKHQSLRPDEDSSHDLMLLRLSEPAKITDVVKVLG LPTQEPALGTTCYASGWGSIEPEEFLRPRSLQCVSLHLLSNDMCARAYSEKVTEFMLCAGLWTGGKDTCG GDSGGPLVCNGVLQGITSWGPEPCALPEKPAVYTKVVHYRKWIKDTIAANP TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_005542
RefSeq Size:	2855
RefSeq ORF:	783
Synonyms:	hGK-1; hK2; KLK2A2
Locus ID:	3817
UniProt ID:	P20151, A0A024R4J4, B4DU77

View online »

Cytogenetics: 19q13.33

Summary: This gene encodes a member of the grandular kallikrein protein family. Kallikreins are a subgroup of serine proteases that are clustered on chromosome 19. Members of this family are involved in a diverse array of biological functions. The protein encoded by this gene is a highly active trypsin-like serine protease that selectively cleaves at arginine residues. This protein is primarily expressed in prostatic tissue and is responsible for cleaving pro-prostate-specific antigen into its enzymatically active form. This gene is highly expressed in prostate tumor cells and may be a prognostic maker for prostate cancer risk. Alternate splicing results in both coding and non-coding transcript variants. [provided by RefSeq, Jan 2012]

Protein Families: Druggable Genome, Protease

Product images:

Coomassie blue staining of purified KLK2 protein (Cat# [TP302667]). The protein was produced from HEK293T cells transfected with KLK2 cDNA clone (Cat# [RC202667]) using MegaTran 2.0 (Cat# [TT210002]).