

Product datasheet for PH304941

Kallistatin (SERPINA4) (NM_006215) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	SERPINA4 MS Standard C13 and N15-labeled recombinant protein (NP_006206)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC204941
Predicted MW:	48.5 kDa
Protein Sequence:	>RC204941 protein sequence Red=Cloning site Green=Tags(s)

MHLIDYLLLLLVGLLALSHGQLHVEHDGESCNSSSHQQIETGEGSPSLKIAPANADFAFRFYLIASET
PGKNIFFSPLSISAAYAML SLGACSHRSQILEGLGFNL TELSESDVHRGFQHL LHTLNLPGHGLETRVG
SALFLSHNLKFLAKFLNDTMAVYEAKLFHTNFYDVTGIIQLINDHVKKETRGKIVDLVSELKKDVLMLV
NYIYFKALWEKPFISSRTTPKDFYVDENTTVRVPMLQDQEHHWYLDHRYLPCSVLRMDYKGDATVFFIL
PNQGMREIEEVLTPPEMLMRWNNLLRKRNFYKKLELHLPKFSISGSYVLDQILPRLGFTDLFSKWADLSG
ITKQKLEASKSFHKATLDVDEAGTEAAAATSFAIKFFSAQTNRHILRFNRPFLLVVFSTSTQSVLFLGK
VVDPTKP

SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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:	<u>NP_006206</u>
RefSeq Size:	1700
RefSeq ORF:	1281
Synonyms:	KAL; kallistatin; KLST; KST; PI-4; PI4



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Locus ID: 5267

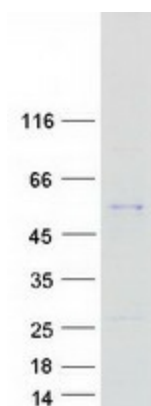
UniProt ID: [P29622](#), [A0A024R6I9](#)

Cytogenetics: 14q32.13

Summary: Inhibits human amidolytic and kininogenase activities of tissue kallikrein. Inhibition is achieved by formation of an equimolar, heat- and SDS-stable complex between the inhibitor and the enzyme, and generation of a small C-terminal fragment of the inhibitor due to cleavage at the reactive site by tissue kallikrein.[UniProtKB/Swiss-Prot Function]

Protein Families: Druggable Genome, Secreted Protein

Product images:



Coomassie blue staining of purified SERPINA4 protein (Cat# [TP304941]). The protein was produced from HEK293T cells transfected with SERPINA4 cDNA clone (Cat# [RC204941]) using MegaTran 2.0 (Cat# [TT210002]).