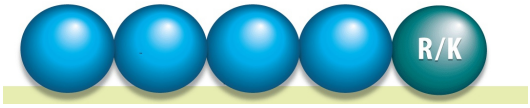
Retention Time Standardization Kit

Collection of 40 non-naturally occurring peptides for standardization of retention times in HPLC-MS based proteomics experiments.



Product Codes:
RTK-1-100pmol
RTK-1-10pmol

Peptide pool of 40 peptides in one polypropylene vial (Sarstedt, #72.664.711)
Peptide amount: approx. 10 or 100 pmol per peptide (depending on ordered amount)

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Annotation Revision V02

No.	Sequence	M(monoiso)	[M+H]+	[M+2H]2+	[M+3H]3+	Score*	HI (predicted)**	Observed RT***
1	YSAHEEHHYDK	1414,59018	1415,60	708,30	472,54	202,68	-1,95	9,93
2	HEHISSDYAGK	1242,56290	1243,57	622,29	415,19	265,82	0,26	13,01
3	TFAHTESHISK	1256,61494	1257,62	629,31	419,88	272,32	2,03	13,81
4	ISLGEHEGGGK	1082,53561	1083,54	542,28	361,85	201,46	2,31	17,76
5	LSSGYDGTSYK	1176,52988	1177,54	589,27	393,18	130,10	4,46	20,47
6	FGTGTYAGGEK	1086,49817	1087,51	544,26	363,17	141,44	4,47	20,32
7	VGASTGYSGLK	1038,53456	1039,54	520,27	347,19	138,76	4,89	21,76
8	TASGVGGFSTK	1010,50326	1011,51	506,26	337,84	151,79	5,34	21,57
9	SYASDFGSSAK	1118,48801	1119,50	560,25	373,84	128,88	5,79	23,32
10	LYSYYSSTESK	1326,59797	1327,61	664,31	443,21	145,28	6,16	24,47
11	LYTGAGYDEVK	1214,58190	1215,59	608,30	405,87	83,18	6,97	25,28
12	TLIAYDDSSTK	1212,58739	1213,60	607,30	405,20	132,32	7,37	26,28
13	HLTGLTFDTYK	1294,65574	1295,66	648,34	432,56	136,96	8,61	31,59
14	FLASSEGGFTK	1142,56077	1143,57	572,29	381,86	117,52	8,80	27,76
15	GFLDYESTGAK	1186,55060	1187,56	594,28	396,52	124,67	8,85	31,69
16	ALFSSITDSEK	1196,59247	1197,60	599,30	399,87	134,30	9,04	33,75
17	FVGTEYDGLAK	1198,58698	1199,59	600,30	400,54	147,74	9,24	29,24
18	YALDSYSLSSK	1232,59248	1233,60	617,30	411,87	145,91	9,32	30,56
19	HDTVFGSYLYK	1328,64009	1329,65	665,33	443,89	236,69	9,39	32,87
20	YFGYTSDTFGK	1284,56626	1285,57	643,29	429,20	109,11	9,44	33,09
21	HFALFSTDVTK	1264,64517	1265,65	633,33	422,56	256,96	9,73	34,89
22	TFTGTTDSFFK	1250,58191	1251,59	626,30	417,87	139,31	11,41	35,60
23	VSGFSDISIYK	1214,61829	1215,63	608,32	405,88	124,42	11,53	35,28
24	TFGTETFDTFK	1292,59247	1293,60	647,30	431,87	102,40	11,98	36,07
25	TSIDSFIDSYK	1274,60304	1275,61	638,31	425,87	72,29	12,01	38,25
26	ASDLLSGYYIK	1228,63394	1229,64	615,32	410,55	137,89	12,11	36,80
27	FLFTGYDTSVK	1276,63394	1277,64	639,32	426,55	83,86	12,33	37,61
28	GIFGAFTDDYK	1232,57133	1233,58	617,29	411,86	115,57	12,74	40,26
29	VYAETLSGFIK	1226,65467	1227,66	614,33	409,89	101,39	13,06	37,91
30	GFVIDDGLITK	1176,63901	1177,65	589,33	393,22	69,72	13,26	38,68
31	GASDFLSFAVK	1140,58150	1141,59	571,30	381,20	138,25	14,55	41,43
32	FFLTGTSIFVK	1258,69614	1259,70	630,36	420,57	152,54	15,95	45,36
33	VSSIFFDTFDK	1304,62885	1305,64	653,32	435,88	121,02	16,66	42,66
34	GDFTFFIDTFK	1336,63393	1337,64	669,32	446,55	196,44	19,58	49,11
35	LFISALVDFFK	1298,72743	1299,74	650,37	433,92	115,29	22,72	57,19
36	SLFFIIDGFVK	1284,71178	1285,72	643,36	429,24	133,89	22,74	53,64
37	IDVYILALLLK	1272,80568	1273,81	637,41	425,28	127,83	23,47	57,27
38	SILAFLYLYFK	1376,77439	1377,78	689,39	459,93	134,84	23,62	58,84
39	SLIFFLSTLLK	1280,77439	1281,78	641,39	427,93	129,82	23,70	59,53
40	FLISLLEEYFK	1400,75913	1401,77	701,39	467,93	175,15	25,16	55,87

* Andromeda score.

** SSRCalcQ: HI (predicted) (100Å C18 column, 0.1% Formic Acid)
http://hs2.proteome.ca/SSRCalc/SSRCalcQ.html

*** Observed retention time (average from 11 replicate injections) using the following LC-MS conditions:
60 min gradient, 4 to 42% elution solvent (solvent A: 1 % formic acid in H2O, elution solvent B: 5 % DMSO in MeCN)