

Supplementary Table 4

Solid-state NMR experimental conditions

16.4 T, 0.7-mm triple resonance (^1H , ^{13}C , ^{15}N) MAS probe, ω_r =100 kHz												
Sample	Experiment	Scans	Recycle delay(s)	Acquisition time(ms)	Sweep width(kHz)		decoupling power (kHz)		Mixing times(ms)	Cross-polarization time(ms)	Time(h)	Sample temperature (K)
Uniformly ^{13}C , ^{15}N -labeled mRIPK1	2D hCH	32	1	t1: 9.99 t2:14.97	ω 1:35.2	ω 2:27.7	^1H :15	^{13}C :10	^{15}N :10	HC 0.8, CH 0.6	7.5	279
	2D hNH	16	1	t1: 14.97 t2:11.98	ω 1:1.7	ω 2:27.7	^1H :15	^{13}C :10	^{15}N :10	HN 1.2, NH 0.6	0.3	279
	3D hCANH	16	1	t1:6.49 t2:14.68 t3:14.97	ω 1:4.9	ω 2: 1.7 ω 3: 27.7	^1H :15	^{13}C :10	^{15}N :10	HCA 4, NH 0.6, CaN 9.5	17.3	279
	3D hCONH	48	1	t1:5.67 t2:14.68 t3:14.97	ω 1:2.1	ω 2: 1.7 ω 3: 27.7	^1H :15	^{13}C :10	^{15}N :10	HCO 2.4, NH 0.6, CoN 10	19.5	279
	3D hcoCAcoNH	64	1	t1:6.49 t2:14.68 t3:14.97	ω 1:4.9	ω 2: 1.7 ω 3: 27.7	^1H :15	^{13}C :10	^{15}N :10	HCO 3, NH 0.6, CoN 10	68.6	279
	3D hCOcaNH	128	1	t1:5.67 t2:14.68 t3:11.98	ω 1:2.1	ω 2: 1.7 ω 3: 27.7	^1H :15	^{13}C :10	^{15}N :10	HCO 3, NH 0.6, CaN 9.5	51.4	279
^2H , ^{13}C , ^{15}N -labeled mRIPK1	2D hNH	64	1.5	t1:18.79 t2:14.97	ω 1:1.7	ω 2:27.7	^1H :15	^{13}C :10	^{15}N :10	HN 1.5, NH 0.6	1.9	279
	2D hCH	64	1.1	t1:9.99 t2:14.97	ω 1:35.2	ω 2:27.7	^1H :15	^{13}C :10	^{15}N :10	HC 0.8, CH 0.6	16.9	279
16.4 T, 3.2-mm triple resonance (^1H , ^{13}C , ^{15}N) MAS probe, ω_r =15 kHz												
	2D DARR	32	2	t1:7.27 t2:14.99	ω 1: 35.2	ω 2: 71.4		86	25	0.4	9.4	309
	2D DARR	32	2	t1:7.27 t2:14.99	ω 1: 35.2	ω 2: 71.4		86	50	0.4	9.5	309
	2D DARR	32	2	t1:7.27 t2:14.99	ω 1: 35.2	ω 2: 71.4		86	200	0.4	10.2	309
	2D DARR	32	2	t1:7.27 t2:14.99	ω 1: 35.2	ω 2: 71.4		86	500	0.4	11.5	309

Uniformly ¹³ C, ¹⁵ N-labeled mRIPK1	2D NCA	64	2	t1:14.63 t2:9.99	ω1: 1.8 ω2: 71.4	90		NCA 4.3, HN 0.7	2	271
	2D NCACX	256	2	t1:14.63 t2:14.99	ω1: 1.8 ω2: 52.6	89	50	NCA 4.3, HN 0.7	8	309
	2D NCO	64	2	t1:19.81 t2:11.98	ω1: 2.2 ω2: 52.6	89		NCO 5.2, HN 0.7	3.2	309
	2D NCOCX	384	2	t1:14.63 t2:14.99	ω1: 1.8 ω2: 52.6	89	50	NCO 6, HN 0.7	12.1	309
	2D zTEDOR	128	2	t1:14.40 t2:14.99	ω1: 2.5 ω2: 71.4	83	6.4	1	5.2	284
	3D CONCA	128	2	t1:6.24 t2:7.04 t3:11.98	ω1:1.7 ω2:1.8 ω3:52.6	89		HC 2, NCA 4, NCO 3.8	42	309
	3D NCACX	64	1.5	t1:14.6 t2:7.01 t3:14.9	ω1:2.6 ω2:5.9 ω3:71.4	89	50	NCA 4, HN 0.6	129	289
	3D NCOCX	64	1.5	t1:14.6 t2:7.01 t3:14.9	ω1:1.8 ω2:2.1 ω3:71.4	89	50	NCA 4, NCO 2.3, HC 1.3	46	
	2D CHHC	72	2	t1:7.27 t2:14.99	ω1: 35.2 ω2: 71.4	90	0.2	HC 0.4, CH 0.4, HC 0.4	21	309
	2D CHHC	72	2	t1:7.27 t2:14.99	ω1: 35.2 ω2: 71.4	90	0.2	HC 0.4, CH 0.15, HC 0.15	21	309
	2D CHHC	72	2	t1:7.27 t2:14.99	ω1: 35.2 ω2: 71.4	90	0.2	HC 0.7, CH 0.075, HC 0.075	21	309
	2D CHHC	72	2	t1:7.27 t2:14.99	ω1: 35.2 ω2: 71.4	90	0.1	HC 0.4, CH 0.15, HC 0.15	21	309
	2D INEPT	128	2	t1:9.99 t2:24.98	ω1: 14 ω2: 52.6	83			20.3	309
	2D INEPT-TOBSY	64	2	t1:7.27 t2:19.99	ω1: 35.2 ω2: 35.7	86	5.6		18.5	309
	2D DARR	32	2	t1:7.27 t2:14.99	ω1: 35.2 ω2: 71.4	86	50	0.4	9.5	309
	2D DARR	32	2	t1:7.27 t2:14.99	ω1: 35.2 ω2: 71.4	86	200	0.4	10.2	309

[2- ¹³ C]-glycerol, ¹⁵ N-labeled mRIPK1	2D DARR	64	2	t1:7.27	t2:14.99	ω1: 35.2	ω2: 71.4	86	400	0.4	22.3	309
	2D DARR	32	2	t1:7.27	t2:14.99	ω1: 35.2	ω2: 71.4	86	500	0.4	11.5	309
	2D zTEDOR	256	2	t1:10.66	t2:14.99	ω1: 3.0	ω2: 52.6	90	6.4	1	9.4	309
[1,3- ¹³ C]- glycerol, ¹⁵ N- labeled mRIPK1	2D DARR	64	1.5	t1:7.27	t2:14.33	ω1: 35.2	ω2: 71.4	86	50	1.1	14.5	289
	2D DARR	128	1.5	t1:7.27	t2:14.33	ω1: 35.2	ω2: 71.4	86	500	1.1	37	289
1:1 mixture of ¹³ C and ¹⁵ N- labeled mRIPK1	2D NHHC	512	2	t1:5.36	t2:9.99	ω1: 7.4	ω2: 52.6	86	0.4	HN 1.2, NH 0.5, HC 0.5	23.2	271
1:1 mixture of [2- ¹³ C] and [1,3- ¹³ C]-glycerol labeled mRIPK1	2D DARR	64	2	t1:5.68	t2:11.99	ω1: 45	ω2: 71.4	86	50	1.4	19	276
	2D DARR	256	2	t1:5.68	t2:11.99	ω1: 45	ω2: 71.4	86	500	1.4	92.5	276
1:1 mixture of uniformly ¹³ C, ¹⁵ N-labeled mRIPK1/mRIPK 3	2D DARR	32	2	t1:7.27	t2:14.99	ω1: 35.2	ω2: 71.4	86	50	0.6	9.5	309
	2D DARR	64	2	t1:7.27	t2:14.99	ω1: 35.2	ω2: 71.4	86	400	0.6	22.3	309
1:1 mixture of [2- ¹³ C]- glycerol, ¹⁵ N- labeled mRIPK1/mRIPK	2D DARR	32	2	t1:7.27	t2:14.99	ω1: 35.2	ω2: 71.4	86	50	0.3	9.5	309
	2D DARR	64	2	t1:7.27	t2:14.99	ω1: 35.2	ω2: 71.4	86	500	0.3	23.2	309