

N-terminal		core	C-terminal						Oligomeric State
Mcm4	911 aa	Z	A B R	Tag	Precipitation	Degradation	Yield		
1	1	453							
4N1	453 aa	Z		GST	-	++	+++		monomer
4N2	510 aa	Z		GST	-	++	+++		monomer
4N3	151	303 aa	Z	GST	-	++	+++		monomer
4N4	151	360 aa	Z	GST	-	++	+++		monomer
4N5	163	291 aa	Z	GST	-	++	+++		monomer
4N6	163	348 aa	Z	GST	-	++	+++		monomer
4C1		470	A B R	GST	-	-	+++		6-12mer ^b
4F1	151	588 aa	Z	GST	low exp ^a	n/a	-		n/a
4F1	His-	588 aa	Z	His	low exp ^a	n/a	-		n/a
4F2	151	606 aa	Z	GST	low exp ^a	n/a	-		n/a
4F3	151	643 aa	Z	GST	low exp ^a	n/a	-		n/a
4F4	151	667 aa	Z	GST	low exp ^a	n/a	-		n/a
4F5	151	692 aa	Z	GST	low exp ^a	n/a	-		n/a
4F5	His-	692 aa	Z	His	low exp ^a	n/a	-		n/a
4F6	151	706 aa	Z	GST	++	-	-		n/a
4F7	151	741 aa	Z	GST	++	-	-		n/a
N-terminal		core	C-terminal						
Mcm6	892 aa	Z	A B R	Tag	Precipitation	Degradation	Yield		Oligomeric State
1	1	380							
6N1	380 aa	Z		GST	-	-	+++		dimer
6N2	398 aa	Z		GST	-	-	+++		dimer
6N3	442 aa	Z		GST	-	-	+++		monomer
6N4	63	318 aa	Z	GST	-	+	+++		monomer
6N5	63	336 aa	Z	GST	-	+	+++		monomer
6N6	63	380 aa	Z	GST	-	+	+++		monomer
6C1		407	A B R	GST	+++	n/a	-		n/a
6C2		407	A B R	GST	+++	n/a	-		n/a
6F1	63	603 aa	Z	GST	++	-	+		aggregate
6F1	His-	603 aa	Z	His	++	-	+		aggregate
6F2	63	622 aa	Z	GST	+++	n/a	-		n/a
6F2	His-	622 aa	Z	His	+++	n/a	-		n/a
6F3	63	656 aa	Z	GST	+++	n/a	-		n/a
6F3	His-	656 aa	Z	His	+++	n/a	-		n/a
6F4	63	680 aa	Z	GST	+++	n/a	-		n/a
6F4	His-	680 aa	Z	His	+++	n/a	-		n/a
6F5	63	729 aa	Z	GST	+++	n/a	-		n/a
6F5	His-	729 aa	Z	His	+++	n/a	-		n/a
6F6	63	745 aa	Z	GST	+++	n/a	-		n/a
6F6	His-	745 aa	Z	His	+++	n/a	-		n/a
6F7	63	789 aa	Z	GST	+	-	++		aggregate
6F7	His-	789 aa	Z	His	+++	n/a	-		n/a
6F8	63	815 aa	Z	GST	+	-	++		aggregate
6F8	His-	815 aa	Z	His	+++	n/a	-		n/a
6F9	63	827 aa	Z	GST	+	-	++		aggregate
6F9	His-	827 aa	Z	His	++	-	+		aggregate
N-terminal		core	C-terminal						
Mcm7	760 aa	Z	A B R	Tag	Precipitation	Degradation	Yield		Oligomeric State
9	9	327							
7N1	319 aa	Z		GST	-	-	+++		monomer ^c
7N1	His-	319 aa	Z	His	-	-	+++		dimer ^c
7N2	9	362 aa	Z	GST	-	-	+++		monomer ^c
7N2	His-	362 aa	Z	His	-	-	+++		dimer ^c
7C1		334	A B R	GST	+++	n/a	-		n/a
7C2		334	A B R	GST	+++	n/a	-		n/a
7F1	9	586 aa	Z	GST	++	-	-		n/a
7F1	His-	586 aa	Z	His	++	n/a	-		n/a
7F2	9	606 aa	Z	GST	+++	-	-		n/a
7F2	His-	606 aa	Z	His	+	n/a	+		aggregate
7F3	9	641 aa	Z	GST	+++	-	-		n/a
7F3	His-	641 aa	Z	His	+++	n/a	-		n/a
7F4	9	681 aa	Z	GST	+	-	++		monomer
7F4	His-	681 aa	Z	His	+	-	+++		monomer ^d
7F5	9	698 aa	Z	GST	++	-	-		double-hexamer
7F6	9	729 aa	Z	GST	+++	-	-		n/a
7F7	9	748 aa	Z	GST	+	-	-		n/a