

Supplementary material:

DNAJB6 is a peptide-binding chaperone which can suppress amyloid fibrillation of polyglutamine peptides at substoichiometric molar ratios

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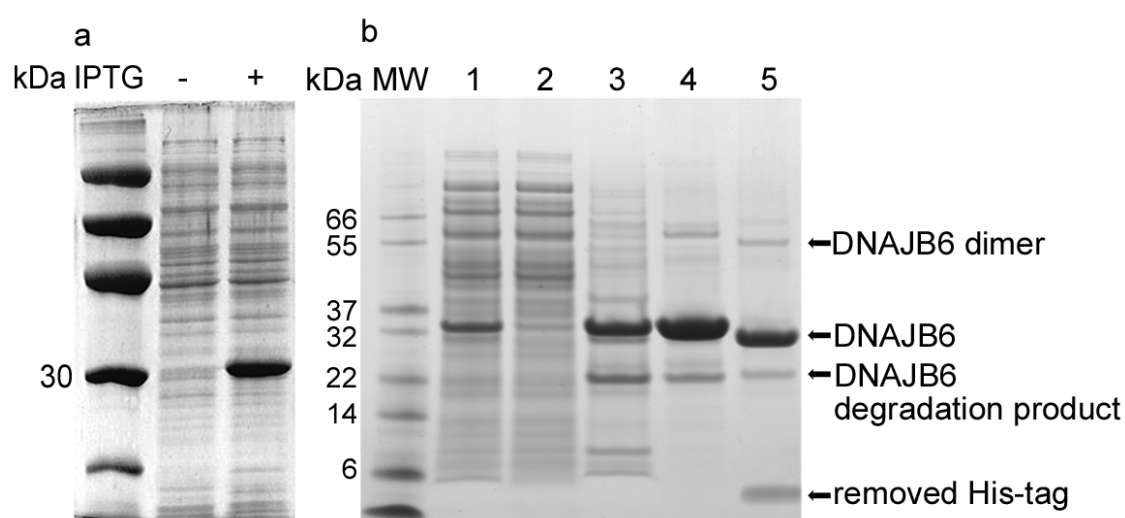


Figure S1 Recombinant expression and purification of DNAJB6.

Samples separated by SDS-PAGE: culture medium before and after addition of IPTG and analyzed by SDS-PAGE (a), various steps in purification (b), where MW: molecular mass marker, Lane 1: Bacterial lysate after French press, Lane 2: Supernatant after centrifugation of lysate, Lane 3: pellet after centrifugation of lysate, dissolved in urea, Lane 4: Eluate of His-tagged protein from nickel column, Lane 5: Protein after cleavage with TEV protease.

Table S1. Yield of DNAJB6 after recombinant expression and purification.

	Total protein	Purity	Yield DNAJB6	Yield
	(mg)	(%)	(mg)	(%)
Lysate	700	36	252	100
Pellet	128	69	88	35
Eluate	43	95	41	16

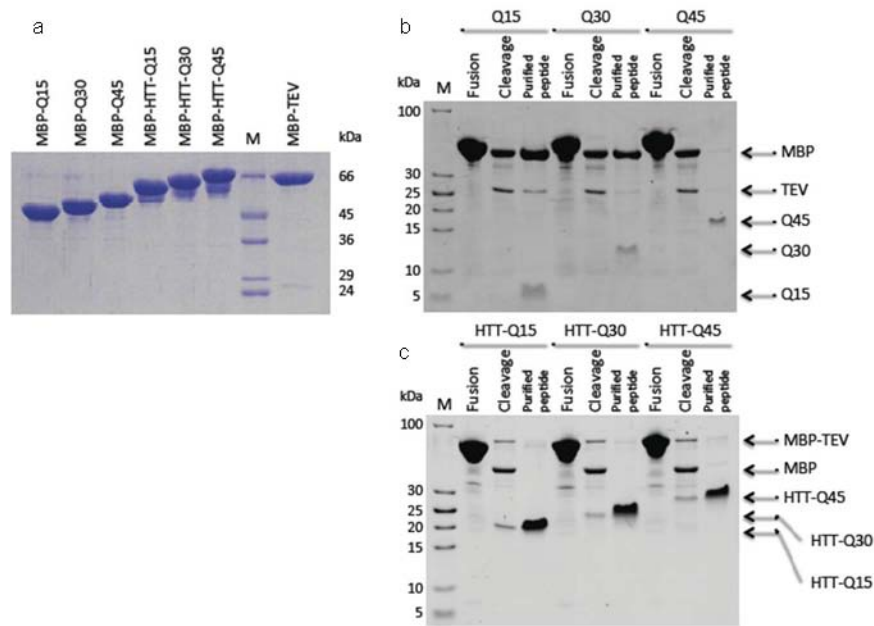


Figure S2. Recombinant expression and purification of MPB-Q peptide and MBP-HttEx1.

MBP is fused to Q peptides (Qn) and the Exon-1 fragment of Huntingtin (HttEx1Qn) peptides with a linker containing a TEV cleavage site: Full constructs separated by SDS-PAGE (a), Products after TEV protease cleavage where MBP is removed from Qn peptides (b) and the HttEx1Qn (c), separated by SDS-PAGE

