

## List of Abbreviations

<i>Abbreviation</i>	<i>Full form</i>
AMC	7-amino-4-methylcoumarin
ATG	Autophagy Related Gene
ATP	Adenosine Triphosphate
Bax	Bcl2 Associated X Protein
CAP	Chaperone Assisted Proteasomal Degradation
CASA	Chaperone Assisted Selective Autophagy
CDK	Cyclin-Dependent Kinase
CFTR	Cystic Fibrosis Transmembrane Conductance Regulator
CMA	Chaperone Mediated Autophagy
COX	Cyclooxygenase
d1EGFP	Destabilized Enhanced Green Fluorescent Protein
DAPI	4',6-diamidino-2-phenylindole
Dic	Diclofenac
DMEM	Dulbecco's Modified Eagle's Medium
DMSO	Dimethyl Sulfoxide
EGFP	Enhanced Green Fluorescent Protein
ERAD	Endoplasmic Reticulum associated Degradation
FACS	Fluorescence Assisted Cell Sorter
FBS	Fetal Bovine Serum
FID	Free Induction Decays
FITC	Fluorescence Isothiocyanate
H <sub>2</sub> O <sub>2</sub>	Hydrogen Peroxide
HA	Haemagglutinin
HDQ	Huntington's Disease Glutamine
HEPES	4-(2-Hydroxyethyl)-1-Piperazineethanesulfonic Acid
HRP	Horseradish Peroxidase
HSF1	Heat Shock Transcription Factor 1
Hsp	Heat Shock Protein
Indo	Indomethacin
JC-1	5,5', 6,6'-Tetrachloro-1,1',3,3' Tetraethylbenzimidazolcarbocyanine Iodide
LAR-II	Luciferase assay reagent-II
MTOC	Microtubule Organizing Center
MTT	3-(4,5-Dimethylthiazol-2-yl)-2,5-Diphenyltetrazolium Bromide
NAC	Nascent Polypeptide-Associated Complex
NAC	N-Acetyl Cysteine
NDDs	Neurodegenerative Diseases
Noc	Nocodazole
NSAIDs	Nonsteroidal Anti-Inflammatory Drugs
PBS	Phosphate Buffer Saline
PDB	Protein Data Base
PGPH	Peptidylglutamyl Peptide Hydrolyzing
PI	Propidium Iodide
PQC	Protein Quality Control

QC	Quality Control
RAC	Ribosome-Associated Complex
RLU	Relative Luminescence Unit
SDS	Sodium Dodecyl Sulfate
STD-NMR	Saturation Transfer Difference Nuclear Magnetic Resonance
TBST	Tris Buffer Saline-with Tween 20
TUNEL	Terminal Deoxynucleotidyl-dUTP Nick End Labeling
Ub	Ubiquitin
UPR	Unfolded Protein Response
UPS	Ubiquitin Proteasome System
VDAC	Voltage Dependent Anion Channel