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**Additional information**

**Standard abbreviations**

Standard abbreviations allowed to be used without explanation or definition.

- A absorbance
- ACES 2-[(2-amino-2-oxoethyl)amino] ethanesulphonic acid
- CAN acetonitrile
- A/D analog to digital converter
- AEBSF 4-(2-aminoethyl)benzenesulphonyl fluoride
- amu atomic mass unit
- ANOVA analysis of variance
- API atmospheric pressure ionization
- AUC area under curve
- Bis N,N'-methylenebisacrylamide
- bp base pairs
- BSA bovine serum albumin
- %C cross-linking agent (g/100 mL)/%T
- CAPS 3-(cyclohexylamino)-1-propanesulphonic acid
- CBB Coomassie Brilliant Blue
- CCD charge-coupled device
- CD circular dicroism
- CE capillary electrophoresis
- CEC capillary electrochromatography
- CFE continuous flow electrophoresis
- CHAPS 3-[(3-cholamidopropyl)dimethylammonio]-1-propanesulphonate
- CHCA ?-cyano-4-hydroxycinnamic acid
- CHES 2-(N-cyclohexylamino)ethanesulphonic acid
- CID collision-induced dissociation
- CIEF capillary isoelectric focusing
- CMC critical micelle concentration
- Con A Concanavalin A
- CNS central nervous system
- cpm counts per minute
CTAB etyltrimethylammonium bromide
CV coefficient of variation
CZE capillary zone electrophoresis
1-D one-dimensional
2-D two-dimensional
Da dalton (molecular mass)
2-DE two-dimensional electrophoresis
DIGE fluorescence difference gel electrophoresis
DGGE denaturing gradient gel electrophoresis
DMEM Dulbecco’s modified Eagle medium
DMF N,N-dimethylformamide
DMSO dimethyl sulphoxide
DOC sodium deoxycholate
dsDNA double-stranded DNA
DTE dithioerithriol
DTT dithiothreitol
ECL enhanced chemiluminescence
EDTA ethylenediaminetetraacetic acid
EEO electroendosmosis
EGTA ethylene glycol-bis(β-aminoethylether)-N,N,N’,N’-tetraacetic acid
EKC electrokinetic chromatography
ELISA enzyme-linked immunosorbent assay
EMSMA electrophoretic mobility shift assay
EOF electroosmotic flow
ER endoplasmic reticulum
ESI electrospray ionization
EST expressed sequence tag
EUPA European Proteome Association
FAB fast atom bombardment
FACS fluorescence activated cell sorting
FBS fetal bovine serum
FCS fetal calf serum
FIGE field inversion gel electrophoresis
FITC fluorescein isothiocyanate
FT Fourier transform
FT-ICR Fourier transform-ion cyclotron resonance
GC gas chromatography
GIF graphic interchange format
GRAVY grand average hydrophobicity
GSH glutathione
GST glutathione-S-transferase
HE hematoxylin and eosin
HEPES N-(2-hydroxyethyl)piperazine-2’-(2-ethanesulphonic acid)
HIPCE high-performance capillary electrophoresis
HPLC high-performance liquid chromatography
HRP horseradish peroxidase
HSA human serum albumin
HSP heat shock protein
HTML hypertext mark-up language
HUPO Human Proteome Organisation
HVR hypervariable region
ICAT isotop-coded affinity tag
ICR ion cyclotron resonance
id inside diameter
IEF isoelectric focusing
Ig immunoglobulin
IMAC immobilized metal affinity capture
IPG immobilized pH gradient
IT ion trap
iTRAQ isobaric tag for relative and absolute quantitation
kbp kilobase pairs
kDa kilodalton (molecular mass)
LC liquid chromatography
LED light-emitting diode
LOD limit of detection
LOQ limit of quantitation
mAb monoclonal antibody
MALDI-MS matrix-assisted laser-desorption ionization-mass spectrometry
Mbp megabase
MEKC micellar electrokinetic capillary chromatography
MES 2-(N-morpholino)ethanesulphonic acid
MHC major histocompatibility complex
MOPS 3-(N-morpholino)propanesulphonic acid
Mr relative molecular mass (dimensionless)
MS mass spectrometry
MS/MS tandem mass spectrometry

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