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Determination of protein synthesis on a proteomic scale

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Ab.

List of Abbreviations

ARCO	azide reactive cyclo-octyne
ATP	adenine tri-phosphate
CID	collision induced dissociation
CNBr	cyanogen bromide
COFRADIC	combined fractional diagonal chromatography
DMSO	dimethylsulfoxide
DNA	deoxyribonucleic acid
DTT	dithiothreitol
ESI	electrospray ionisation
FTMS	Fourier transform mass spectrometry
GO	gene ontology
HEK	human endothelial kidney
HPG	homopropargylglycine
IPTG	isopropyl β -D-1-thiogalactopyranoside
iTRAQ	isobaric tagging reagents for relative and absolute quantitation
KDG	2-keto-3-deoxy-gluconate
LB	Lysogeny broth
LC	liquid chromatography
M	molar
MALDI	matrix assisted laser desorption ionisation
2ME	2-mercapto-ethanol
MS	mass spectrometry
NAD ⁺	nicotinamide adenine di-nucleotide, oxidized form
NADH	nicotinamide adenine di-nucleotide, reduced form
OD ₆₀₀	optical density, 600 nm
PDH	pyruvate dehydrogenase
PFL	pyruvate formate lyase
PTS	phosphotransferase system
Q	quadrupole
RNA	ribonucleic acid

miRNA	micro ribonucleic acid
mRNA	messenger ribonucleic acid
tRNA	transfer ribonucleic acid
rRNA	ribosomal ribonucleic acid
sRNA	small regulatory ribonucleic acid
RP-HPLC	reversed phase high performance liquid chromatography
SAM	s-adenosyl methionine
SORI	sustained off-resonance irradiation
TCEP	tris(2-carboxy-ethyl)-phosphine
TFA	trifluoroacetic acid
TOF	time of flight
UV-VIS	ultra violet-visible light