

Matrix-bound peptides modeling protein-protein interactions

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Abbreviations

(4)-diF-Pro	4 <i>R</i> , 4 <i>S</i> - L-di-fluoroproline
(4 <i>R</i>)-FPro	(4 <i>R</i>)-L-fluoroproline
(4 <i>S</i>)-FPro	(4 <i>S</i>)- L-fluoroproline
4-Oxa	(<i>S</i>)-oxazolidine-4-carboxylic acid
4-Thz	(<i>R</i>)-thiazolidine-4-crboxylic acid
Abz	2-aminobenzoyl
Ac-	Acetyl-
APEG	amino PEG (Poly-ethylene-glycol) spacer
AU	Absorption Unit
b*pwt	Barstar pseudo-wildtype
Boc	<i>tert</i> -butyloxycarbonyl
BPB	bromophenol blue
BSA	Bovines Serumalbumin
Bzl	Benzyl
Cyp	Cyclophilin
DCC	N,N'-Dicyclohexylcarbodiimide
DCM	Dichloromethane
DIC	N,N'-Diisopropylcarbodiimide
Dde	1-(4,4-dimethyl-2,6-dioxocyclohex-1-ylidene)ethyl
DEAE	Diethylaminoethyl-
Dhbt	3-hydroxy-2,3-dihydroxy-4-oxo-benzotriazolyl
DIEA	Diisopropylethylamine
DIPCDI	N,N'-Diisopropylcarbodiimide
DMF	Dimethylformamide
DMSO	Dimethylsulfoxide
DTT	Dithiothreitol
ECL	Enhanced chemiluminescence
<i>E. coli</i> Par	<i>E. coli</i> Parvulin
<i>E. coli</i> TF	<i>E. coli</i> Trigger Factor
EDTA	Ethylenediamine-tetraaceticacid
EGFR	EGF receptor
ESI-MS	Electrospray ionization mass spectrometry
EtOH	Ethanol
FAP	FKBP-associated protein
FKBP	FK506-binding Protein
Flp	4(<i>R</i>)-fluoro-L-proline
flp	4(<i>S</i>)-fluoro-L-proline
FMDV	foot-and mouth disease virus
Fmoc	9-fluorenylmethoxycarbonyl
FT-IR	Fourier Transform Infrared Spectroscopy
HBTU	2-(1H-Benzotriazole-1-yl)-1,1,3,3-tetramethyluronium hexafluorophosphate
HEPES	4-(2-Hydroxyethyl)-1-piperazine-1-ethanesulfonic acid
HF	hydrogen fluoride
HOBt	1-hydroxybenzotriazole
HRMAS	high-resolution magic angle spinning
HRP	Horse-Radish Peroxidase
Hyp	4(<i>R</i>)-hydroxy-L-proline

IPTG	Isopropyl β -D-thiogalactopyranoside
ISP	Isomer-Specific Proteolysis
k_{cat}	catalytic constant
K_d	Dissociation constant
K_m	Michaelis-Menten constant
MALDI-TOF	Matrix assisted laser desorption ionisation time-of-flight
MBHA	Methylbenzylamine
MES	2-(<i>N</i> -Morpholin-o)ethanesulfonic acid
MLU	Martin-Luther-University
MS	Mass spectrometry
NMI	<i>N</i> -methylimidazole
NMP	<i>N</i> -methylpyrrolidin
NMR	Nuclear Magnetic Resonance
OD	optical density
PAGE	Polyacrylamide gelelectrophoresis
Par	Parvulin
Pbf	2,2,4,6,7-Pentamethyl-dihydrobenzofurane-5-sulfonyl
PEG	Polyethyleneglycol
PEGA	acrylamidopropyl-PEG- <i>N,N</i> -dimethylacrylamide
Pfp	Pentafluorophenyl
PMSF	Phenylmethylsulfonylfluoride
-pNA	- <i>para</i> -nitroaniline
POEPOP	polyoxyethylene-polyoxypropylene
PP	Polypropylene
PPIase	Peptidyl-Prolyl- <i>cis/trans</i> -Isomerase
PTFE	polytetrafluoroethylene
PyBOP	benzotriazole-1-yl-oxy-tris-pyrrolidino-phosphonium hexafluorophosphate
Rink	4-(2',4'-Dimethoxyphenyl-hydroxymethyl)-phenoxyacetic acid
RT	room temperature
SDS	Sodium dodecylsulfate
Sip	Silaproline
SPPS	Solid Phase Peptide Synthesis
Suc-	Succinyl-
TASP	template-assembled synthetic protein
TBS	Tris buffered saline
TBT	Tris buffered saline with Tween 20
TBTU	2-(1H-Benzotriazole-1-yl)-1,1,3,3-tetramethyluronium tetrafluoroborate
tBu	t-Butyl
TEMED	<i>N,N,N',N'</i> -Tetramethylethylenediamine
TF	Trigger factor
TFA	Trifluoroacetic acid
TOF-MS	Time-of-flight mass spectrometry
Tricine	<i>N</i> -Tris(hydroxymethyl)-methylglycine
Tris	2-Amino-2-(hydroxymethyl)-1,3-propane-1,3-diol
Trt	Trityl
UV/VIS	Ultraviolet/Visible
wt	Wild type
Xaa	amino acids