

Materials List for:

Screening and Identification of Small Peptides Targeting Fibroblast Growth Factor Receptor2 using a Phage Display

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Materials

Name	Company	Catalog Number	Comments
0.22 µm Filter	Merck Millipore	MPGP002A1	
35 cm ² Small dish	Thermo	150460	
70% Ethanol	Guangzhou chemical reagent factory	64-17-5	
-96 gIII sequencing primer			Synthesis from Sangon Biotech (Shanghai) Co., Ltd.
96-well plate	Nest	701001-2	
Agar	Beyotime	ST004D	
Bacto-Tryptone	Oxoid	L0037	
BALB/c 3T3 cells	ATCC	CRL-6587	
BSA	Biodragon	BD-M10110	
CCK-8 kit	DOJINDO	CK04	
DMEM	Hyclone	sh30243.01	
DMF	Newprobe	PB10247	
EDTA	Invitrogen	15576028	
FGF2 Protein	Sino Biological Inc.	10014-HNAE	Purity>95%
Glycine	Sigma	G8898-1KG	
IPTG	Beyotime	ST097	
ITC200 system	MicroCal Omega		
NaCl	Sigma	S6191	
NaHCO ₃	Guangzhou chemical reagent factory	144-55-8	
Nal	Bidepharm	BD40879	
NaOH	Guangzhou chemical reagent factory	1310-73-2	
PEG-8000	Sigma	P2139-250	
Ph.D.-7 phage display peptide library kit	New England BioLabs	E8100S	Containing the Ph.D.-7 phage library, <i>E. coli</i> ER2738 host strain and M13KE control phage
Recombinant FGFR2 extracellular domain proteins	Sino Biological Inc.	10824-H08H	Purity > 97%
Small peptide			Synthesis from GL Biochem Ltd. (Shanghai, China)
Tetracycline	Sigma	S-SHS-5	
Tris	Sigma	SLF-T1503	

Tween-20	Beyotime	ST825	
X-gal	Beyotime	ST912	
Yeast extract	Oxoid	LP0021	