

Materials List for:

# In Vitro Biochemical Assays using Biotin Labels to Study Protein-Nucleic Acid Interactions

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## Materials

Name	Company	Catalog Number	Comments
<b>Equipment</b>			
Centrifuge	Eppendorf, Germany	5242R	
Chemiluminescent Imaging System	Tanon, China	5200	
Digital sonifer	Branson, USA	BBV12081048A	450 Watts; 50/60 HZ
Semi-dry electrophoretic blotter	Hoefler, USA	TE77XP	
Tube Revolver	Crystal, USA	3406051	
UV-light cross-linker	UVP, USA	CL-1000	
<b>Materials</b>			
Amicon Ultra-4 Centrifugal Filter	Milipore, USA	UFC801096	4 ml/10 K
Nylon membrane	Thermo Scientific, USA	TG263940A	
TC-treated Culture Dish	Corning, USA	430167	100 mm
TC-treated Culture Dish	Corning, USA	430597	150 mm
Microtubes tubes	AXYGEN, USA	MCT-150-C	1.5 mL
Tubes	Corning, USA	430791	15 mL
<b>Reagents</b>			
Ampicillin	SunShine Bio, China	8h288h28	
Anti-FLAG M2 magnetic beads	Sigma, USA	M8823	
ATP	Thermo Scientific, USA	591136	
BCIP/NBT Alkaline Phosphatase Color Development Kit	Beyotime, China	C3206	
CellLytic™ M Cell Lysis Reagent	Sigma, USA	107M4071V	
ClonExpress II one step cloning kit	Vazyme, China	C112	
Chemiluminescent Nucleic Acid Detection Kit	Thermo Scientific, USA	T1269950	
dNTP	Sigma-Aldrich, USA	DNTP100-1KT	
DMEM	Gibco, USA	10569044	
DPBS buffer	Gibco, USA	14190-136	
EDTA	Invitrogen, USA	AM9260G	0.5 M
EDTA free protease inhibitor cocktail	Roche, USA	04693132001	
EndoFree Maxi Plasmid Kit	Vazyme, China		

		DC202	
FastPure Gel DNA Extraction Mini Kit	Vazyme, China	DC301-01	
FBS	Gibco, USA	10437028	
FLAG peptide	Sigma, USA	F4799	
Glycerol	Sigma, USA	SHBK3676	
GST Bulk Kit	GE Healthcare, USA	27-4570-01	
HEPES buffer	Sigma, USA	SLBZ2837	1 M
IPTG	Thermo Scientific, USA	34060	
KoAc	Sangon Biotech, China	127-08-02	
Lipofectamin 3000 Transfection Reagent	Thermo Scientific, USA	L3000001	
MgCl <sub>2</sub>	Invitrogen, USA	AM9530G	1 M
NaCl	Invitrogen, USA	AM9759	5 M
NP-40	Amresco, USA	M158-500ML	
Opti-MEM medium	Gibco, USA	31985062	
PBS	Gibco, USA	10010023	PH 7.4
RNase Inhibitor	Promega, USA	N251B	
Streptavidin alkaline phosphatase	Promega, USA	V5591	
TBE	Invitrogen, USA	15581044	
Tris-HCl Buffer	Invitrogen, USA	15567027	1 M, PH 7.4
Tris-HCl Buffer	Invitrogen, USA	15568025	1 M, PH 8.0
Tween-20	Sangon Biotech, China	A600560	