

Materials List for

Gene Mining and Sequence Analysis of Purine Nucleosidase Based on RNA-Seq

Fenfang Wu¹, Shiping Hu², Yun Ran², Xiaoni Chen¹, Shan Lin¹

¹Department of Central Laboratory, Shenzhen Hospital, Beijing University of Chinese Medicine ²Department of Hepatopathy, Shenzhen Hospital, Beijing University of Chinese Medicine

Corresponding Author

Shan Lin
biotechlin@foxmail.com

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jove.com/video/61561

Materials

Name	Company	Catalog Number	Comments
RNase-free DNase I	TaKaRa	2270B	
PolyATtract mRNA Isolation Systems	Promega	III	
Random hexamer-primers	Thermo Scientific	SO142	
NEBNext1 Ultra RNA Library Prep Kit	NEB	E7530S	
PCR extraction kit	QiaQuick		
Agarose	TransGen Biotech	GS201-01	
High-throughput sequencer	Illumina	HiSeq™ 4,000	
LTF Viewer	LTF	V5.2	
ORF program	NCBI		
ProtParam tool	SIB Swiss Institute of Bioinformatics		
SignalP Server	DTU Health Tech	5.0	
BLAST	NCBI		
Clustal X program	UCD Dublin		
MEGA	Center for Evolutionary Medicine and Informatics	4.0	
InterProScan	European Molecular Biology Laboratory		
Predict Protein	Technical University of Munich		
WISS-MODEL	Swiss Institute of Bioinformatics		
Primer Express	Applied Biosystems	3.0	
EcoRI	NEB	R0101V	
NotI	NEB	ER0591	
pMD18-T Vector	TaKaRa	6011	
agarose	Sigma-Aldrich	GS201-01	
Trans2K® Plus II DNA Marker	Sigma-Aldrich	BM121-01	
6×DNA Loading Buffer	Sigma-Aldrich	GH101-01	
GelStain	Sigma-Aldrich	GS101-02	
50 x TAE	Sigma-Aldrich	T1060	

Gel imaging analysis system	Syngene	G:BOX F3	
E. coli JM109	Promega		
T4 DNA ligase	EarthOx	BE004A-02	
pPIC9K	Genloci	GP0983	