

Materials List for:

A High Yield and Cost-efficient Expression System of Human Granzymes in Mammalian Cells

Farokh Dotiwala¹, Isabelle Fellay², Luis Filgueira², Denis Martinvalet³, Judy Lieberman¹, Michael Walch²

¹Cellular and Molecular Medicine Program, Boston Children's Hospital and Harvard Medical School

²Department of Medicine, University of Fribourg

³Centre Médical Universitaire, University of Geneva

Correspondence to: Michael Walch at michael.walch@unifr.ch

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Materials

Name	Company	Catalog Number	Comments
TRIzol Reagent	Invitrogen	15596-026	Total RNA isolation kit
SuperScript II Reverse Transcriptase	Invitrogen	18064-014	
Phusion High-Fidelity DNA Polymerase	NEB	M0530L	
EndoFree Plasmid Maxi Kit	QIAGEN	12362	
EX-CELL 293 Serum-Free Medium for HEK 293 Cells	Sigma	14571C	
DMEM, high glucose, GlutaMAX Supplement, pyruvate	Gibco	31966-021	
SnakeSkin Dialysis Tubing, 10K MWCO	Thermo Scientific	68100	
Enterokinase from bovine intestine	Sigma	E4906	recombinant, ≥20 units/mg protein
HisTrap Excel 5 ml column	GE Healthcare	17-3712-06	Nickel IMAC
HiTrap SP HP 5 ml column	GE Healthcare	17-1152-01	S column
N-α-Cbz-L-lysine thiobenzylester (BLT)	Sigma	C3647	GzmA substrate
Boc-Ala-Ala-Asp-S-Bzl (AAD)	MP Biomedicals	2193608 _10mg	GzmB substrate
Suc-Ala-Ala-Pro-Leu-p-nitroanilide (AAPL)	Bachem		GzmM substrate
5,5'-dithio-bis(2-nitrobenzoic acid) (DTNB)	Sigma	D8130	Ellman's reagent