

LIST OF MATERIALS AND REAGENTS

Materials/ reagents	Source
siRNA targeting NRG1	Sigma Aldrich, USA
Diethyl pyrocarbonate	Himedia lab. Pvt. Ltd., India
Agarose	Himedia lab. Pvt. Ltd., India
Tris base	Himedia lab. Pvt. Ltd., India
Acetic acid	Spectrochem, India
EDTA	Himedia lab. Pvt. Ltd., India
ethidium bromide	Sigma Aldrich, USA
Glycerol	Spectrochem, India
Bromophenol blue	Himedia lab. Pvt. Ltd., India
bPEI (25 kDa)	Sigma Aldrich, USA
Hyaluronic acid (HA)	Gift sample
Sodium phosphate dibasic	S. D. fine chemicals, India
Sodium phosphate monobasic	S. D. fine chemicals, India
EDC	Sigma Aldrich, USA
NHS	Sigma Aldrich, USA
Lactoferrin	Gift sample
Sodium periodate	Sigma Aldrich, USA
Sodium acetate	Himedia lab. Pvt. Ltd., India
Sodium cyanoborohydride	Sigma Aldrich, USA
Carbonyldiimidazole	TCI chemicals, India
Chitosan	Sigma Aldrich, USA
1,6-hexanediol diacrylate	TCI chemicals, India
Dichloromethane	Spectrochem, India
Diethyl ether	Spectrochem, India
Ethanol	Changshu Yang Yuan chemicals, China
Methanol	Spectrochem, India
Heparin solution (500 IU/ml)	Sigma Aldrich, USA
Sodium chloride	Loba Chemie Pvt. Ltd., India
Sodium carbonate	Loba Chemie Pvt. Ltd., India

Triton-X100	Himedia lab. Pvt. Ltd., India
Choloroform	Spectrochem, India
Porcine mucin	Sigma Aldrich, USA
Phenol	Spectrochem, India
Fetal bovine serum (FBS)	Himedia lab. Pvt. Ltd., India
Potassium chloride	Loba Chemie Pvt. Ltd., India
Calcium chloride	Loba Chemie Pvt. Ltd., India
Minimum essential medium	Himedia lab. Pvt. Ltd., India
FCS	Himedia lab. Pvt. Ltd., India
Antibiotic-antimycotic solution	Himedia lab. Pvt. Ltd., India
Isopropyl alcohol	Spectrochem, India
Trypsin-EDTA solution	Himedia lab. Pvt. Ltd., India
Trypan blue	Himedia lab. Pvt. Ltd., India
MTT dye	Himedia lab. Pvt. Ltd., India
DMSO	Spectrochem, India
cyanine5 labelled siRNA	Sigma Aldrich, USA
Paraformaldehyde	Sigma Aldrich, USA
DAPI	Himedia lab. Pvt. Ltd., India
Bovine serum albumin	Sigma Aldrich, USA
HBSS	Sigma Aldrich, USA
HEPES	Sigma Aldrich, USA
TRI reagent	Sigma Aldrich, USA
2-propanol	Spectrochem, India
Hi-cDNA synthesis kit	Himedia lab. Pvt. Ltd., India
Propylene glycol	Merck Millipore, USA
Citric acid	S. D. fine chemicals, India
Trisodium citrate	S. D. fine chemicals, India
Polysorbate 80	Sigma Aldrich, USA
Benzalkonium chloride	Sigma Aldrich, USA
SDS	Sigma Aldrich, USA
β -mercaptoethanol	Sigma Aldrich, USA
Glycine	Sigma Aldrich, USA

Acrylamide	Sigma Aldrich, USA
Ammonium persulfate	Sigma Aldrich, USA
TEMED	Sigma Aldrich, USA
NRG1 isoform-10 antibody	Signalway antibody, USA
Anti-rabbit IgG antibody	Sigma Aldrich, USA
Clarity ECL western blotting substrate	Biorad, USA