

7 Abkürzungsverzeichnis

Acc.-Nr	Accession-Number
ACE	Angiotensine converting enzyme
Ang-1	Angiopoietin-1
Ang-2	Angiopoietin-2
AP-1	Nuklear-Faktor-Aktivator-Protein-1
ARNT	Aryl hydrocarbon receptor translocator
ATCC	American Type Culture Collection
bFGF	basic fibroblast growth factor
bp	Basenpaar
CAMs	Cell-adhesion-molecules
cDNA	complementary DNA
gDNA	Gesamt-DNA
cGMP	zyklisches Guanosin-mono-phosphat
CNP	C-type natriuretic peptide
CO	Kohlenmonoxid
COX	Cyclooxygenase
CTP	Cytidin-Triphosphat
dNTP	Desoxynucleotid
DNA	Desoxyribo-nucleid-acid
DSMZ	Deutsche Sammlung von Mikroorganismen und Zellkulturen
DTT	Dithiotreitol
DEPC	Diethylcyanophosphonat
DEPP	Decidual protein induced by progesterone
ECGF	Endothelial cell growth factor
EDHF	Endothelium-derived hyperpolarizing factor
EDRF	Endothelium derived relaxing factor
EDTA	Ethylendiamintetraessigsäure
egr-1	early growth response-1
EGF	Epidermal growht factor
Elk-1	Transkriptionsfaktor aus der Ets-Familie
eNOS	endotheliale Stickoxidsynthetase
ERK 1/2	Extracellular-related-protein-kinase 1+2
ESAF	Endothelial cell stimulating angiogenic factor
ET-1	Endothelin-1
FA- Buffer	Formamide-Buffer
FAK	Focal adhesion kinase

Fas	type I transmembranous glycoprotein, a member of the tumor necrosis factor/nerve growth factor receptor family. Fas is known to mediate apoptosis in a variety of immune and nonimmune tissues
FGF	Fibroblast growth factor
Gas-3.....	Growth arrest-specific-protein-3
GTP	Guanosin-Triphosphat
HCEC	Human coronary macrovascular endothelial cells
HCMEC	Human coronary microvascular endothelial cells
HEGF	Human epidermal growth factor
HEPES	N`-2-hydroxyethylpiperazin-N`-2-ethansulfonsäure
HIF-1 α	Hypoxia-inducible factor-1 α
HRE.....	Hypoxia-Response-Elements
HSP	Hitzeschock-Protein
HSPG	Heparan-sulfat-proteo-glykane
HSS	Hanks' Salt Solution
HUAEC.....	Human umbilical arterial endothelial cells
HUVEC.....	Human umbilical vascular endothelial cells
IAP.....	Integrin-assoziiertes Protein
ICAM-1	Intercellular adhesin molecule-1
IERGs.....	Immediate early response genes
IGF-1	Insulin-like growth factor-1
IL-4,12,18	Interleukin 4,12,18
IFN α,β,γ	Interferon α,β,γ
JNK-2	c-Jun-NH2-terminal-kinase
LDL.....	Low-density-lipoprotein
MAPK-1	Mitogen-aktivierte Proteinkinase-1
MCP-1	Monocyte chemotactic protein-1
METH-1,2	Metalloprotease with thrombospondine motifs-1,2
MMPs	Matixmetalloproteinasen
Mn-SOD.....	Manganese superoxide dismutase
mRNA.....	Messenger ribonucleid acid
NCBI.....	National Centre for Biotechnology Information
NFkB	Nuclear- Faktor-Kappa-B
NO	Stickoxid
NOS.....	Nitrit-Oxid-Synthetase
O ₂ -	Superoxidanion
OD	Optical density
ODD	Oxygen-dependent degradation domain
PA.....	Gewebsplasminogenaktivator
PAI-1	Plasminogen Aktivator Inhibitor -1

PAS	Bezeichnung für die transkriptionsfaktoren Per, Ahr/ARNT, Sim
PBS	Phosphat Saline Puffer
PCR.....	Polymerase chain reaction
PDGF-B	Platelet derived growth factor
PECAM-1.....	platelet-endothelial-cell-adhesion molecule-1
PEX	proteolytisches Fragment der Matrix Metalloproteinase-2
PF-4.....	Plättchenfaktor-4
PI3-K	Phosphatidylinositol 3-Kinase
PKC	Proteinkinase C
PIGF	Placental growth factor
pVHL	von-Hippel-Lindau Tumor Suppressor Protein
RNA.....	Ribo-nucleid-acid
RT.....	Reverse transcription
SDS	Sodiumdodecylsulfat
SOD-2	Superoxid-Dismutase-2
SPARC	solid-phase attachment of red cells matricellular protein that affects cellular adhesion and proliferation
SRE	Serum response“ element
SSC	Saline-sodium citrate buffer
SSRE.....	Shear stress response element
Strept.-AP	Streptavidin-alkalische Phosphatase
TBE	Tris-Borsäure-EDTA
TF	Tissue factor
tfcD	beta-tubulin folding cofactor D
TGF- β	Transforming growth factor β
Tie-2	tyrosine kinase that contains immunoglobulin-like loops and epidermal-growth-factor-similar domains 2 (endothelialer Tyrosin-Kinase-Rezeptor)
TIMPs	Tissue-inhibitors of MMP (1,2,3)
TNF	Tumor Nekrose Faktor
tPA.....	Tissue plasminogen activator
TSP-1	Thrombospondin-1
TSR	Thrombospondin Repeat-1 Supergene Family
u-Pa.....	Urokinase- Plasminogenaktivator
UTP	Uridin-Triphosphat
VCAM-1	Vascular cell adhesion molecule-1
VEGF.....	Vascular endothelial growth factor
VEGF-R1	VEGF-Rezeptor-1