Studies on Mammalian Copper Chaperone Cox17p

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ABBREVIATIONS


AIF: apoptosis inducing factor
Atox1: antioxidant1
Cc2: cross-complements the Ca^{2+}-sensitive phenotype of csg1 mutants 2
CCO: cytochrome c oxidase
CCS: copper chaperone for SOD
COX1: CCO subunit I
COXII: CCO subunit II
COXIII: CCO subunit III
COXIV: CCO subunit IV
COX17: gene of Cox17p
Cox17p: CCO assembly protein 17
CRE: cAMP-responsive element
CREB: cAMP-responsive element binding protein
CTRI: gene of copper transporter 1
DIABLO: direct IAP-binding protein with low pi
HtrA: high temperature signaling complex A
MRE: metal regulatory element
NF-κB: nuclear factor κB
NGFI-B: nerve growth factor inducible clone B
NRF-1: nuclear respiratory factor 1
NRF-2: nuclear respiratory factor 2
LDH: lactate dehydrogenase
Lys7: involved in lysine biosynthesis, oxidative stress protection gene
Omi: a human homologue of the bacterial HtrA endoprotease
SCO1: gene of synthesis of CCO 1
SCO2: gene of synthesis of CCO 2
SDH: succinate dehydrogenase
Smac: second mitochondria-derived activator of caspase
SOD: super oxide dismutase
Sp1: specificity protein 1
SURF1: surfact 1

AAP: abridged anchor primer
AUAP: abridged universal amplification primer
cDNA: complementary DNA
EMSA: electrophoretic mobility shift assay
dCTP: deoxy-cytidine 5'-triphosphate
DNA: deoxyribonucleic acid
EF cell: embryonic fibroblast cell
ES cell: embryonic stem cell
FITC: fluorescein isothiocyanate
GFP: green fluorescent protein
GSP: gene specific primer
LOD: logarithm of the odds
mRNA: messenger RNA
neo: neomycin phosphotransferase
neo': neomycin resistance gene
PCR: polymerase chain reaction
RACE: rapid amplification of cDNA ends
RH mapping: radiation hybrid mapping
RNA: ribonucleic acid
RSV: Rous sarcoma virus
SV40: simian virus 40

DAB: 3,3-diaminobenzidine
DMEM: Dulbecco's modified Eagle's medium
EDTA: ethylenediaminetetraacetic acid
EGTA: ethyleneglycol bis (2-aminoethylether) tetraacetic acid
FBS: fetal bovine serum
HEPES: N-2-hydroxyethylpiperazine-N'-2-ethanesulfonic acid
LIF: leukemia inhibitory factor
β-NAD: β-nicotinamide adenine dinucleotide
NBT: nitro blue tetrazolium
PBS: phosphate buffered saline
PMSF: phenylmethanesulfonyl fluoride
SDS: sodium dodecyl sulfate
SSC: standard saline citrate
TPCK: N-tosyl-L-phenylalanyl chloromethyl ketone