

Identification, localization and characterization of trace element-binding proteins in the respiratory tract of the rat

Inaugural-Dissertation
zur Erlangung des akademischen Grades
Doktor der Naturwissenschaften
am Fachbereich Biologie, Chemie, Pharmazie
der Freie Universität Berlin

vorgelegt von
Diplom-Chemikerin
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2005

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- Tag der Disputation: 24.03.06

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Acknowledgements

The three-year PhD work period has been finished and this PhD thesis is the fruit of it. The development and maturation of this thesis was not only dependent on me, but also on other people. Their experience, knowledge, and love encouraged me, gave me power not only in the experimental part of this work but also during its writing. That's why at the beginning of this work I would like to acknowledge the following individuals.

To Prof. Dr. Behne and Dr. Kyriakopoulos thanks for supervising this doctoral thesis and for your advice and support.

To the INAA team: Dr. Alber, Gregor and Anke thanks for introducing me to this interesting analytical method, for supporting me during my experiments, for patience - with my never ending samples.

To Dr. Richarz and Dr. Wolf thanks for all those speciation analyses and for your help in solving analytical problems.

To Prof. Dr. Zimmermann thanks for electron microscopy photos.

To Lisa thanks for sharing with me our office and your experiences, for your patience and Italian temperament.

To Barbara, Holger, Marcus and Gundolf thanks for all the useful conversations.

To Mr. Franke thanks for performance of the animal experiments.

To Dr. Pohl and Firm **Wita** for MALDI-MS analysis.

To all member of SF6 thanks for the pleasant atmosphere in the workplace.

To Gregor thanks for your love, patience and hope.

I would also like to thank **Prof. Dr. Behne and Prof. Dr. Erdmann** for reviewing my thesis.

List of Abbreviations

AsIII	trivalent arsenic
AsV	pentavalent arsenic
APS	ammonium persulfate
ATP	adenosine triphosphate
BER II	Berliner-Experimentier-Reaktor
cDNA	complementary DNA
CHAPS	3-[(3-cholamidopropyl)dimethyl-ammonio]-1-propanesulfonate
cpm	counts per minute
DMA	dimethyl arsenic acid
DNA	deoxyribonucleic acid
DSMZ	Deutsche Sammlung von Mikroorganismen und Zellen
DTT	dithiothreitol
eEFsec	Sec-specific elongation factor
ECL	electrodeless discharge lamps
EDTA	ethylenediaminetetraacetic acid
EGTA	ethylene glycol bis(2-aminoethyl ether)-N,N,N',N'-tetraacetic acid
FBS	fetal bovine serum
GF AAS	graphite furnace atom absorption spectrometry
GPx	glutathione peroxidase
HCL	hollow cathode lamp
Hepes	2-[4-(2-hydroxyethyl)-1-piperazine]ethanesulfonic acid sodiumsalt
HPLC	high performance liquid chromatography
HRP	horseradish peroxidase
ICP-MS	inductively coupled plasma mass spectrometry
IEF	isoelectric focusing
INAA	instrumental neutron activation analysis
IPG	Immobiline DryStrip gels
MMA	monomethyl arsonic acid
MOPS	3-(N-Morpholino)-propanesulfonic acid
MTT	3-(4,5-dimethylthiazol-2-yl)-2,5-diphenyltetrazolium bromide
NIST	National Institute of Standards and Technology
PBS	phosphate buffer saline
PMTs	photomultiplier tubes
RF	radio frequency
RNA	ribonucleic acid
SAM	S-adenosylmethionine
SBP2	SECIS-binding protein 2
SDS-PAGE	sodium dodecyl sulfate-polyacrylamide gel electrophoresis
SEC	size exclusion chromatography
Sec	selenocysteine
SECIS	selenocysteine insertion sequence
-SH	sulfhydryl
Ser	serine
SOD	superoxid dismutase
TEMED	N,N,N',N'-Tetramethyl-1,2-diaminomethane
Tris	tris(hydroxymethyl-)aminomethan
tRNA	transfer ribonucleic acid