



Biodefense Proteomics Research Center

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Protein ID: TgTwinScan_2226

Mass Spec Experiments										
Mass Spec Experiments					Results files					
Experiment Name	Type of Cell Fraction	Type	# of Hits	CSV	RAW	DTA	MGF	Mascot	Date	Verified
☐ massspecband12_may10_2006	Membrane Protein Fractions	MS-MS	3	☒	☒	☒	☒	☒	2008-01-30	Yes
☐ masspecband13_may10_2006	Membrane Protein Fractions	MS-MS	6	☒	☒	☒	☒	☒	2008-01-30	Yes
☐ masspecband14_may10_2006	Membrane Protein Fractions	MS-MS	2	☒	☒	☒	☒	☒	2008-01-30	Yes
☐ masspecband15_may10_2006	Membrane Protein Fractions	MS-MS	5	☒	☒	☒	☒	☒	2008-01-30	Yes
☐ masspecband16_may10_2006	Membrane Protein Fractions	MS-MS	2	☒	☒	☒	☒	☒	2008-01-30	Yes
☐ masspecband13_june30_2006	Membrane Protein Fractions	MS-MS	11	☒	☒	☒	☒	☒	2008-01-30	Yes
☐ masspecband15_june30_2006	Membrane Protein Fractions	MS-MS	3	☒	☒	☒	☒	☒	2008-01-30	Yes
☐ Dec2006_Tg_membrane_Fayun/Band34	Membrane Protein Fractions	MS-MS	1	☒	☒	☒	☒	☒	2008-01-30	Yes
☐ Dec2006_Tg_membrane_Fayun/Band22	Membrane Protein Fractions	MS-MS	2	☒	☒	☒	☒	☒	2008-01-30	Yes
☐ Oct2006_Tg_membrane_Fayun/Band27B	Membrane Protein Fractions	MS-MS	1	☒	☒	☒	☒	☒	2008-01-30	Yes
☐ Oct2006_Tg_membrane_Fayun/Band28B	Membrane Protein Fractions	MS-MS	4	☒	☒	☒	☒	☒	2008-01-30	Yes
☐ Oct2006_Tg_membrane_Fayun/Band29B	Membrane Protein Fractions	MS-MS	3	☒	☒	☒	☒	☒	2008-01-30	Yes
☐ Oct2006_Tg_membrane_Fayun/Band31B	Membrane Protein Fractions	MS-MS	1	☒	☒	☒	☒	☒	2008-01-30	Yes
☐ Dec2006_Tg_membrane_Fayun/Band21	Membrane Protein Fractions	MS-MS	2	☒	☒	☒	☒	☒	2008-01-30	Yes
☐ Dec2006_Tg_membrane_Fayun/Band20	Membrane Protein Fractions	MS-MS	2	☒	☒	☒	☒	☒	2008-02-19	Yes
☐ masspecband13_may03_2006	Membrane Protein Fractions	MS-MS	3	☒	☒	☒	☒	☒	2008-02-19	Yes
☐ masspecband14_june30_2006	Membrane Protein Fractions	MS-MS	2	☒	☒	☒	☒	☒	2008-02-19	Yes
☐ March2007Tg_Cyto_Proteins/Band23and24	Cytosolic Protein Fractions	MS-MS	1	☒	☒	☒	☒	☒	2008-01-30	Yes
☐ May2007/Band05to07	Cytosolic Protein Fractions	MS-MS	1	☒	☒	☒	☒	☒	2008-01-30	Yes
☐ May2007/Band23to25	Cytosolic Protein Fractions	MS-MS	13	☒	☒	☒	☒	☒	2008-01-30	Yes
☐ May22_2007Data/Band18and19	Membrane Protein with Biotinylation Purification	MS-MS	1	☒	☒	☒	☒	☒	2008-02-19	Yes
☐ Membrane_Fraction/Fraction_C14_s	Offline - 2DLC MS/MS	MS-MS	1	☒	☒	☒	☒	☒	2008-02-13	Yes
view										

Protein Hit Alignment

MKRDPEREKPEFHISQRCLPQRQLELNIAFLVLPGRCLLTYSRPAALAVKTFPLMDTIGEGTAQVELLKURKGVGD
 HYEMDELCEVQSDKAAVEITSRFTGTIVKLHQEGRDVRIGAPLMDIDVEAGEDHDEEEEPETNRKVPSEPP
 RAASPSVGRASSTTFSASPTRRFAKESGVDLARVKGSGRGLITKEDVLEFLESSVAPAPAGSPFPAPAGSG
 FAGSHGPRAPAAAPVYVPRPQRQRTTQVLHGRSRANVSGSHHETKGVPLMLIGEDYDITELTKHRETLVAHTAKYNI
 CRPTTATLFAIKVSLALDETPTILNSRPHATGDSYTFQGSNHSVAIDYPMGLVYPHIDVQDLVLELQAGELHR
 LQELATAMKLSPADLOGGTISISNVGVISGTYVHALLFDGQACILGVGQARDLPRFYGRSGQMFDEDLVERPRIM
 TCAFTADRHCDGATVAFRFRKVRHLELXNPAPMLJLUR

Peptide Score less than 30

Peptide Score between 30 and 60

Peptide Score larger than 60

Protein Hits

Experiment Name : massspec/band12_may10_2006 ☐ Hide / Show peptide hits

Type of Cell Fraction : Membrane Protein Fractions

Protein Mass : 53109 Protein Coverage : 11.9 Peptide Mapping : 3

Peptide Score	Expectation value	Peptide Sequence	Position
84.16	6.8e-06	LADIDBOGIAQVELLK	53 - 67
75.30	5.5e-05	VPQLNIDEDYDITELTK	269 - 285
71.64	0.00011	SQQAFFEDDLVER	434 - 445

Experiment Name : massspec/band13_may10_2006 ☐ Hide / Show peptide hits

Type of Cell Fraction : Membrane Protein Fractions

Protein Mass : 53109 Protein Coverage : 34.6 Peptide Mapping : 6

Peptide Score	Expectation value	Peptide Sequence	Position
112.26	9.7e-09	ERPAPVSEPPQAAASPSVGAESSTTFASAPATR	140 - 172
90.96	1.3e-06	FLESSQVAAPAAQSPFPAPAGSGFAGSPNAQPR	202 - 234
80.67	1.6e-05	VPQLNIDEDYDITELTK	269 - 285
72.49	8.8e-05	FNAATGDSYTFQGSNHSVAIDYPMGLVYPHNIK	326 - 358
66.90	0.00033	SQQAFFEDDLVER	434 - 445
65.27	0.00052	IGAPLMDIDVEAGEDHAEDEEPETK	115 - 139