

Tagged Protein UL32					MS results			MS/MS confirmation
Isolated proteins			gi #	kDa	#peptides from MS	Sequence coverage (%)	Xproteo score MS	peptide sequences
Tag	GFP	green fluorescent protein	6118373	26.86	11	41	2.2	SAMPEGYVQER TIFFKDDGNYK
Viral (HCMV) Human herpesvirus 5	UL32	UL32, tegument protein pp150	52139218	112.69	39	42.6	45.3	FHNPDLSVLEEFVR FEAHGSLAPAEHAAR HAAFLSVSPQVTK GYTYPFGDR DVVALVNFLR NPHLAYNPFK RDVVALVNFLR TPSDAVQNILQK AVVGRPPSPVVGSGAPGR VDDEVVQREK
	UL86	UL86, major capsid protein	9625772	153.87	80	80.3	87.3	ELFLAVQFVGEHVK AHIHPGFALTAVR MLFHVQVPR GLIHSFLQTLR QGLPDFISR MLATLFLNLR QPLNPANEAR QDFVVTDFYK LGAMDADEPLFVDDYR LRPPPDYEETLR YVTEFPHYHR
	UL83	UL83, tegument protein pp65	52139256	62.91	20	49.6	17.3	LLQTGIHVR LTVSGLAWTR YQEFFWDANDIYR GDTPLPHETR YQEFFWDANDIYR EPDYYTSAFVFTK IFAELEGWQPAAPK VLRPPSTFEQDHSR DNVPLQEIQLR
	UL48	UL48; tegument protein	44903274	253.52	24	9.5	-	LHLPDVVLGNTN ELVTEAVVWGNAR LSDLGQESAFEKEYSR GTVFEEETVWSLCPPNR
	UL45	UL45, ribonucleotide reductase subunit 1	52139230	101.7	28	30.3	19.5	EFLVAVVWGNAR LSDLGQESAFEKEYSR GTVFEEETVWSLCPPNR
	UL47	UL47, tegument protein U30	1780825	109.96	20	28.8	15.9	EFLVAVVWGNAR LSDLGQESAFEKEYSR GTVFEEETVWSLCPPNR
	UL44	UL44, DNA polymerase processivity subunit	9625729	46.23	17	50	16.5	NGLFAVENFLTEEPFQR IVTEHDTLLYVSR ESENSAVHVDLDFGVADLLK
	UL69	UL69, multifunctional expression regulator	9625754	82.68	17	31	23.6	ILLSHDELMTDYLHHR FCLDYEVPVR GRHDAPSLSSLER
	UL112	early phosphoprotein p50	2058407	44.05	11	31.1	6.6	ILHGSVNTDFVR TQQGFMSIDITGDGELQELFVR YWTFANPNR
	TRS1	TRS1, tegument protein	9625873	83.98	15	21.4	11.9	YTRPTEPPLTQASLGR LLLSQIPVER WDALHLHPR
	UL80	UL80, capsid maturation protease	52139253	73.84	18	22.8	8.9	DAFFSLLGASR HFADYVDPHYPGWGR SDSYGLLGNVDALYRER DSPGGMDEPPSGWER YDQSPDEAELLPR FPDLTAADRDGLR
	UL46	UL46, capsid triplex subunit 1	9625731	33.03	16	62.5	19.9	DPADEDNELVTALK LDFSVLGDGDFREFV FFVPEGLVEFEAQPGALLIR
	UL104	UL104	44903311	78.52	31	52.6	30	LYVAEPLAYER DAAPFRPLAVEDNR LHAALFPYR
	UL25	UL25	9625710	73.54	24	51.3	23.4	FVLQDFDVQHLR SPPPLPRDYDQQR IFSQVPPDEREEDTLR
	UL97	phosphotransferase	75707686	78.15	15	24.7	26.9	RPLRPPVLVSLAR AALCDYSLSEPYDYNER VGGVDVLEENDVELR
UL77	UL77	9625762	71.19	29	52.6	33.9	DVPVFVHEQQYLR LSGQVRDDVLSLWSR HYHPGTFDR	

	UL93	UL93	9625779	68.46	30	55	32.1	DPPDSVATVLGELPQLLPR LPVAVFFEPHEENVLR VLWYVNSFWR MFYAVFTTLGLRCPDNR DRFQNFVAVLAR DLLREEMEANK SRELSYDDHEVELYR GDEEFIYHAGPLEPPSK ELSYDDHEVELYR LREWVDVQHR
	US22	US22	28373241	65.03	19	34.8	16.4	TEVEPLLMLGSIEGLR SQLESALDWFLRPR HPQTPFATTEPR
	UL84	UL84	9625770	65.43	12	22.3	5.4	SWLELTVLSDENGATFPR RPFSDAPLPYFVPPR
	UL85	UL85	9625771	34.59	18	74.3	21	TPARQHVSPDDEIAR LVAAVVPIQR KLALEDSSMLLVK GDALCVLPLPHGFLAR
	UL80.5	UL80.5	52139254	38.25	12	40.4	3	DSPGGMDEPPSGWER DAFFSLLGASR HFADYVDPHYGWGR
	UL122		44903319	44.85	12	28.6	-	NLPFTIPSMHQVLDEAIK ELHTHQLCPR
	UL27	UL27	44903258	69.09	12	15.6	-	TPEDLVAAGGQKK IALAVATGQYVCTLLDYK
	UL26	UL26	44903257	24.87	9	58.2	-	GYTLFVCDVEILTTPR HLDLPYPR GLLHSYFEDVER
	UL82	tegument protein pp71	52139255	62.01	8	12.2	3.5	RLPDNGFQLLIPK VPVSGHLFQSQR
Host (Homo sapiens)	CHC	Ciathrin heavy chain 1	4758012	192.69	70	48.5	60.6	TSIDAYDNFDNISLAQR ALEHFTDLYDIKR VGYPDWIFLLR NNLAGAEELFAR IVLDSNVFSEHR NLQNLLILTAIK MREHLELFSWR ESYVETELIFFALAK KDPELWGSVLLSNPYR AHMGMFTELAIFYSK
	DBX	Dead box, X isoform	2580550	73.27	24	39.4	10.7	DREEALHQFR DFLDEYIFLAVGR HVINFDLPSDIEEYVHR
	HSP70	Heat shock 70 kDa protein 8 isoform 1 variant	62897129	70.9	22	39.6	9.5	STAGDTHLGGEDFNR TVTNAVVTVPAYFNDSQR ARFEELNADLFR
	TUBB	tubulin beta polypeptide	57209813	47.77	17	42.9	14.5	NSSYFVWIPNMVK ISEQFTAMFR
	Tuba1b	tubulin, alpha 2	34740335	50.15	16	46	9.7	AVFVDLEPTVIDEVR IHFPLATYAPVISAER
	HNRNPH1	HNRNPH1	48145673	49.13	11	38	3.9	STGEAFVQFASQEIAR HTGPNSPDTANDGFVR SNNVEMDWVLK
	DDOST	oligosaccharyltransferase	2662375	50.73	7	16.2	-	SSLNPILFR TLVLLDNLNVR
	14-3-3 ε	tyrosine 3/tryptophan 5 -monooxygenase activation protein, epsilon polypeptide	5803225	29.17	13	66.4	11	YLAEFATGNDRK VAGMDVELTVEER LAEQAERYDEMVESMK
	14-3-3 γ	Tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, gamma polypeptide	14198143	28.17	15	76.1	9.9	LAEQAERYDDMAAAMK NVTLENEPLSNEER TAFDDAIAELDTLNEYSYK
	14-3-3 ζ	Tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, zeta polypeptide	68085578	27.71	11	50.8	3.2	FLIPNASQAEISK GIVDQSQAYQEAFEISK GLALNFSVFYIEILNSPEK
Likely contaminants	VIM	Vimentin	37852	53.69	38	80.5	39.4	ILLAELEQLKGGQK KVESLQEEIAFLK
	SSA1	SSA1	14994115	54.27	28	50.2	28.5	LQVALGELR NFLVEEQR
	ACTB	actin, beta	14250401	41.01	19	63.4	20.2	LDLAGRDLTYLMK VAPEEHVLLTEAPLNPK