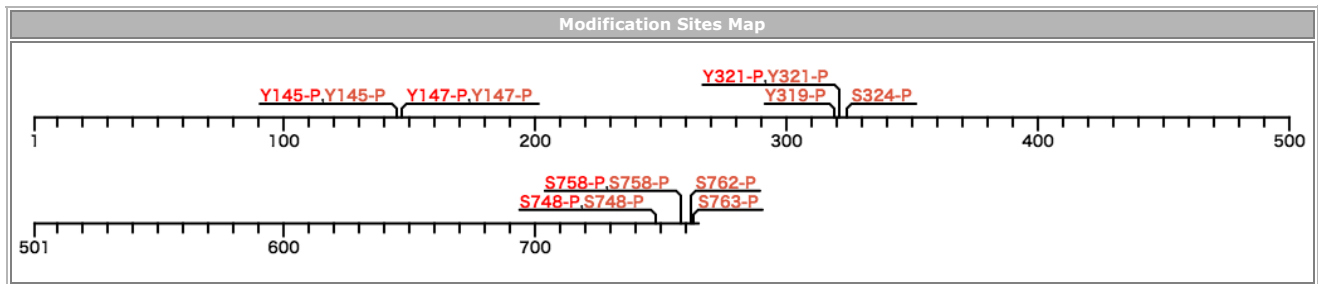


ID	Accession	GeneName	Chr.No.	Description
DYR1A_HUMAN	Q13627	DYRK1A	21q22.13 38738092..38889753	Dual specificity tyrosine-phosphorylation-regulated kinase 1A



Click a modification site to display the information in detail.

Site no	Amino acid	Type	Division	Detail
321	Y	P	Lab	110218_pOVKATE_3.mgf[F017465]
321	Y	P	Lab	110218_pOVMANA_2.mgf[F017467]
321	Y	P	Lab	100626-nagata-pRMG1-10mg.mgf[F015003]
321	Y	P	Lab	100626-nagata-pRMG1-10mg.mgf[F015003]
321	Y	P	Lab	100626-nagata-pRMG2-10mg.mgf[F015004]
321	Y	P	Lab	100407-nagata-pMCAS-10mg.mgf[F014984]
321	Y	P	Lab	100407-nagata-pMCAS-10mg.mgf[F014984]
321	Y	P	Lab	100407-nagata-pOVCAR3-10mg-MGF.mgf[F014985]
321	Y	P	Lab	100407-nagata-pOVCAR3-10mg-MGF.mgf[F014985]
321	Y	P	Lab	100407-nagata-pOVHO-10mg.mgf[F014986]
321	Y	P	Lab	100407-nagata-pOVHO-10mg.mgf[F014986]
321	Y	P	Lab	100407-nagata-pOVISE-10mg.mgf[F014987]
321	Y	P	Lab	100407-nagata-pOVISE-10mg.mgf[F014987]
321	Y	P	Lab	100407-nagata-pOVKATE-10mg.mgf[F014988]
321	Y	P	Lab	100407-nagata-pOVKATE-10mg.mgf[F014988]
321	Y	P	Lab	100407-nagata-pOVMANA-10mg.mgf[F014989]
321	Y	P	Lab	100407-nagata-pOVMANA-10mg.mgf[F014989]
321	Y	P	Lab	100407-nagata-pOVSAYO-10mg.mgf[F014990]
321	Y	P	Lab	100407-nagata-pOVSAYO-10mg.mgf[F014990]
321	Y	P	Lab	100407-nagata-pRMG1-10mg.mgf[F014992]
321	Y	P	Lab	100407-nagata-pRMG2-10mg.mgf[F014993]
321	Y	P	Lab	100407-nagata-pRMG2-10mg.mgf[F014993]
321	Y	P	Lab	100626-nagata-pMCAS-10mg.mgf[F014995]
321	Y	P	Lab	100626-nagata-pMCAS-10mg.mgf[F014995]
321	Y	P	Lab	100626-nagata-pOVCAR3-10mg.mgf[F014996]
321	Y	P	Lab	100626-nagata-pOVCAR3-10mg.mgf[F014996]
321	Y	P	Lab	100626-nagata-pOVHO-10mg.mgf[F014997]
321	Y	P	Lab	100626-nagata-pOVHO-10mg.mgf[F014997]
321	Y	P	Lab	100626-nagata-pOVISE-10mg.mgf[F014998]
321	Y	P	Lab	100626-nagata-pOVISE-10mg.mgf[F014998]
321	Y	P	Lab	100626-nagata-pOVKATE-10mg.mgf[F014999]
321	Y	P	Lab	100626-nagata-pOVKATE-10mg.mgf[F014999]
321	Y	P	Lab	100626-nagata-pOVMANA-10mg.mgf[F015000]
321	Y	P	Lab	100626-nagata-pOVSAYO-10mg.mgf[F015001]
321	Y	P	Lab	100626-nagata-pOVSAYO-10mg.mgf[F015001]
321	Y	P	Lab	100626-nagata-pOVTOKO-10mg.mgf[F015002]
321	Y	P	Lab	100626-nagata-pOVTOKO-10mg.mgf[F015002]
321	Y	P	Lab	100520-GIST-IM2.mgf[F017512]
321	Y	P	Paper	Cancer Res 2012, 72(10), 2501-2511
321	Y	P	Paper	Sci Signal 2009, 2(84), ra46
321	Y	P	Paper	Sci Signal 2011, 4(179), rs5
321	Y	P	Paper	Cancer Res 2009, 69(6), 2663-2668

Protein Sequence
MHTGGETSAC KPSSVRLAPS FSFHAAGLQM AGQMPHSQY SDRRQPNISD QQVSALSYSYD QIQPPLTNQV MPDIVMLQRR MPQTFRDPAT APLRKLKSVLD IKTYKHINEV Y YAKKKRRHQ QGQDDSSHK KERKVNNDGY DDDN <sup>Y</sup> DY <sup>I</sup> IVK NGEKWMDRYE IDSLIGKGSF GQVVKAYDRV EQEWVAIKII KNKKAFLNQA QIEVRLLELM NKHDEMKYY I VHLKRHFME RNHLCLVFEM LSYNLYDLLR NTNFRGVSLN LTRKFAQQMC TALLFLATPE LSIHCDLKP ENILLCNPKR SAIKIVDFGS SCQLGQRI <sup>Y</sup> Q <sup>Y</sup> IQSRFRYRSP EVLLGM PYDL AIDMWSLGC I LVEMHTGEPL FSGANEVDQM NKIVEVLGIP PAHILDQAPK ARKFFEKLPD GTWNLKKTKD GKREYKPPGT RKLHNILGVE TGGPGGRRAG ESGHTVAD YL KFKDLIRML DYDPKTRIQP YYALQHSFFK KTADEGTNTS NSVSTSPAME QSQSSGTSS TSSSGGSSG TSNSGRARSD PTHQHRHSGG HFTAAVQAMD CETHSPQV RQ QFPAPLWWSG TEAPTQVTVE THPQVETTFH VAPQQNALHH HHGNSSHHHH HHHHHHHHHH QQALGNRTRP RVYNSPTNSS STQDSMEVGH SHHSMTSLSS STTSSS

TSSS STGNQGNQAY QNRPVAANTL DFGQNGAMDV NLTVYSNPRQ ETGIAGHPTY QFSANTGPAH YMTEGHLTMR QGADREES<sup>PM</sup> TGVCVQQS<sup>PV</sup> ASS

Backcolor of amino acid : Yellow -> site of modification, gray -> in front of processing