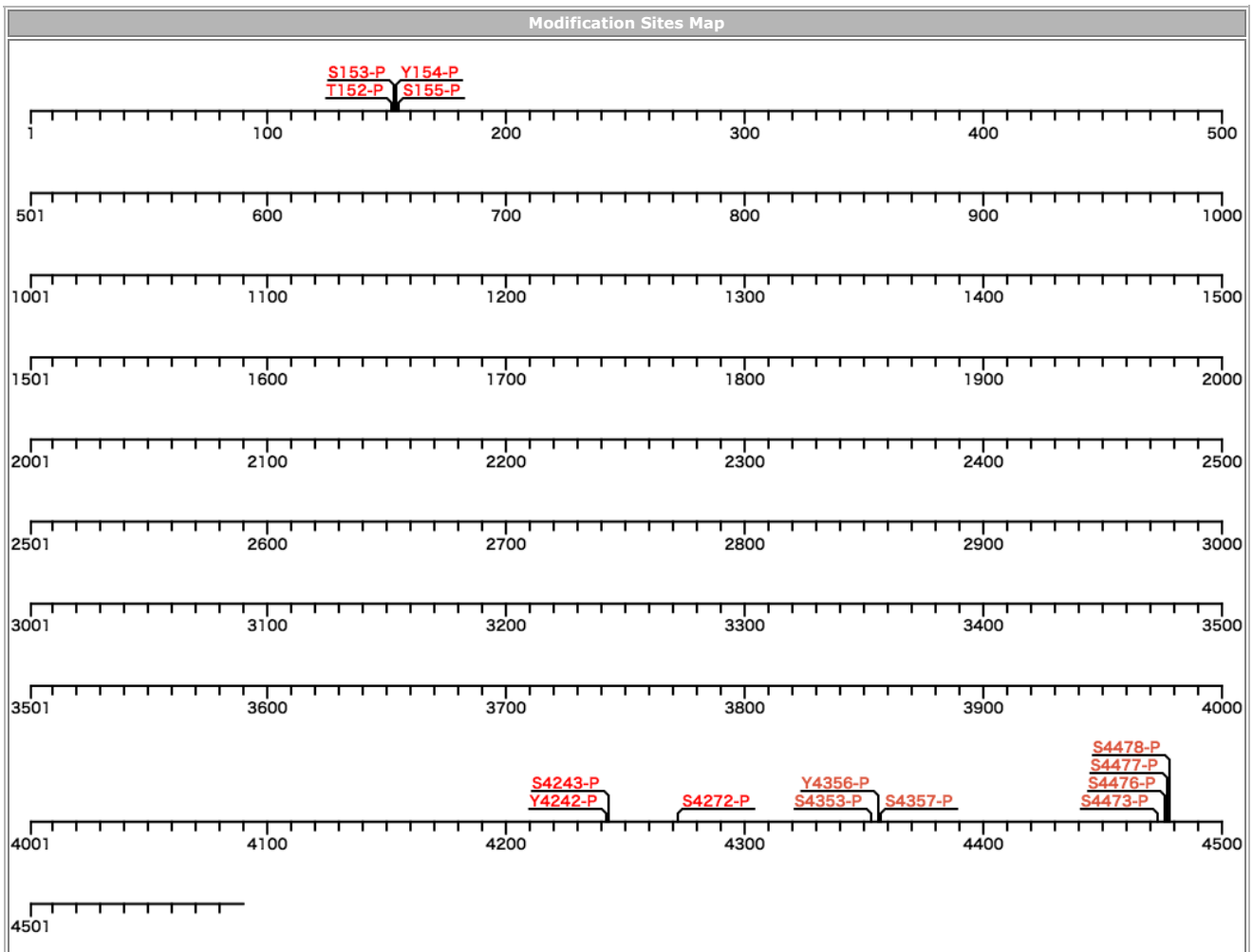


ID	Accession	GeneName	Chr.No.		Description
FAT1_HUMAN	Q14517	FAT1	4q35.2	187508937..187647876	Protocadherin Fat 1



Click a modification site to display the information in detail.

Site no	Amino acid	Type	Division	Detail
154	Y	P	Lab	130327_HEK_ME_pphos.mgf[F015008]

Protein Sequence

MGRHLALLLL LLLLQHFQGD SDGSQRLEQT PLQFTHLEYN VTVQENSAK TYVGHVPMKM VYITHPAWEV RYKIVSGDSE NLFKAEYIL GDFCFLRIRT KGGNTAILNR EVKD
HYTLIV KALEKNTNVE ARTKVRVQVL DTNDLRPLFS **PTSYS**VSLPE NTAIRTSIAR VSATDADIGT NGEFYYSFKD RTDMFAIHPT SGVIVLTGRL DYLETKLYEM EILAADRG
M K LYGSSGISM AKLTVHIEQA NECAPVITAV TLPSELDRD PAYAIVTDD CDQGANGDIA SLSIVAGDLL QQFRTVRSFP GSKEYKVKAI GGIDWDSHPF GYNLTLQAKD K
GTPPQFSSV KVIHVTSQPF KAGPVKFEKD VYRAEISEFA PPNTPVVMVK AIPAYSHLRY VFKSTPGKAK FSLNYNTGLI SILEPVKRQQ AAHFELEVTT SDRKASTKVL VKVLGA
NSNP PEFTQTAYKA AFDENVPIGT TVMSLSAVDP DEGENGYVTV SIANLNHVFP AIDHFTGAVS TSENLDYELM PRVYTLRIRA SDWGLPYRRE VEVLATITLN NLNDNTPLFE
KINCEGTIPR DLGVGEQITT VSAIDADELQ LVQYQIEAGN ELDFSLNPN SGVLSLKRSL MDGLGAKVSF HSLRITATDG ENFATPLYIN ITVAASHKLV NLQCEETGVA KMLA
EKLLQA NKLHNQGEVE DIFFDHSVSN AHIPQFRSTL PTGIQVKENQ PVGSSVIFMN STDLDTFNG KLVYAVSGGN EDCSCFMIDME TGMLKILSPL DRETTDKYTL NITVYDL
GIP QKAAWRLLHV VVDANDNPP EFLQESYFVE VSEDKEVHSE IIQVEATDKD LGPNGHVTYS IVDTDTFSI DSVTGVVNNIA RPLDRELQHE HSLKIEARDQ AREEPQLFST
VVVKVSLDVD NDNPTTFFIP NYRVKVRREDL PEGTVIMWLE AHPDPLGQSG QRVYSLLDHG EGNFVDVKLS GAVRIVQQLD FEKKQVYNTL VRAKDKGKPV SLSTCYVEV E
VVDVNNLH PPVFSFVEK GTVKEDAPVG SLVMTVSAHD EDARRDGEIR YSIRDGSGVG VFKIGEETGV IETSDRLDRE STSHYWLTVF ATDQGVVPLS SFIEIYIEVE DVND
NAPQTS EPVYYPEIME NSPKDVSUVQ IEAFDPDSSS NDKLMYKITS GNPQGFFSIH PKTGLITTTT RKLDRQQDE HILEVTVTDN GSPPKSTIAR VIVKILDEND NKPQFLQK
FY KIRLPEREK DRERNARREP LYHVIAATDKD EGPNAEISYS IEDGNEHGKF FIEPKTGVVS SKRFAAGEY DILSIKAVDN GRPKQSSTTR LHIEWISKPK PSLEPISFEE SFFT
FTVMES DPVAHMIGVI SVEPPGIPLW FDTGGNYDS HFDVDKGTGT IIVAKPLDAE QKSNYNTLVE ATDGTITILT QVFIKVIDTN DHRPQFSTSK YEVIPEPTA PETEILQIS
A VDQDEKNKLI YTLQSSRDPL SLKFKRLDPA TGSLYTSEKL DHEAVHQHTL TVMVRDQDVP VKRNFARIW NVSDTNDHAP WFTASSYKGR VYESAAVGSV VLQVTALDKD
KGNKNAEVLVS IESGNIGNSF MIDPVLGSIK TAKELDRSNQ AEYDLMVKAT DKGSPPMSEI TSVRIFVTIA DNASPKFTSK EYSVELSETV SIGSFVGMVT AHSQS SVVYE IKDG
NTGD AF DINPHSGTII TQKALDFTEL PIYTLIQGT NMAGLSTNTT VLVHLQDEND NAPVFMQAEY TGLISESASI NSVLTDRNV PLVIRAADAD KDSNALLVYH IVEPSVHTY
F AIDSSTGAIH TVLSLDYEET SIFHFTVQVH DMGTPRLFAE YAANVTVHVI DINDCPPVFA KPLYEASLLL PTYKGVKVVIT VNATDADSSA FSQLIYSITE GNIGEFKFSMD YKTG
ALTVQN TTQLRSRYEL TVRASDGRFA GLTSVKINVK ESKESHKFT QDVYSAVKE NSTEAETLAV ITAIGNPINE PLFYHILNPD RRFKISRTSG VLSSTGTGPFDF REQQEAQFV
V VEVTEEHKPS AVAHVVVKVI VEDQNDNAPV FVNLPYAVV KVDTEVGHVI RYVTAVRDVS GRNGEVHYL KEHHEHFQIG PLGEISLKKQ FELDTLNKEY LVTVAKDG N
PAFSAEIV PITVMNKAMP VFEKFPYSAE IAESIQVHSP VVHVQANSPE GLKVFSYITD GDPFSQFTIN FNTGVINVA PLDFEAHPAY KLSIRATDLSL TGAHAIEVFD IIVDDIN
DNP PVFAQQSYAV TLSEASVIGT SVVQVRATDS DSEPNRGISY QMFGNHSKSH DHFHVDSSTG LISLLRLDY EQSRQHTIFV RAVDGGMPTL SSDVIVTVDV TDLNDNPLP
F EQQIYEARIS EHAPHGHFVT CVKAYDADSS DIDKLQYSIL SGNDHKHFVI DSATGIITLS NLHRHALKPF YSLNLSVSDG VFRSSTQVHV TVIGGNLHSP AFLQNEVEVE LAE
NAPLHTL VMEVKTDDGD SGIYGHVTVH IVNDFAKDRF YINERGQIFT LEKLDRETPA EKVISVRLMA KDAGGKVAFC TVNVILTDDN DNAPQFRATK YEVNIGSSAA KGTSVV
KVLA SDADEGSNAD ITAIEADSE SVKENLEINK LSGVITTKES LIGLENEFFT FVRAVDNGS PSKESVVLVY VKILPPMQL PKFSEPFYTF TVSEDPVIGT EIDLIRAHS GT
LYLSLVKG NTPESNRDES FVIDRQSGRL KLEKSLDHET TKWYQFSILA RCTQDDHEMV ASVDVSIQVK DANDNSPVFE SSPYEAFFIVE NLPGGSRVIQ IRASDADSGT NGQV
MYSLDQ SQSVEVIESF AINMETGWIT TLKELDHEKR DNYQIKVVAS DHGEKIQLS TAIVDVTVD VNSPPRFTA EYKGTVSED DPQGGVIAIL STTDADSEEI NRQVTFYI
TG GDPLGQFAVE TIQNEWKVVY KKPLDREKRD NYLLTITATD GTFSSKAIVE VKVLADANDNS PVCEKTLVSD TIVEDVLPKG LIMQISATDA DIRSNAEITY TLLGSGAEFK KL
NPDTGELK TSTPLDREEQ AVYHLLVRAT DGGGRFCQAS IVLTLEDVND NAPEFSADPY AITVFENTEP GTLLTRVQAT DADAGLNRKI LYSLIDSADG QFSINELSGI IQLEKPL
DRE LQAVYTLSLK AVDQGLPRL TATGTIVSV LDINDNPPVF EYREYGATVS EDILVGTVEV QVYAASRDIE ANAEITYSII SGNEHGKFSI DSKTGAVFII ENLDYESSHE YY
LTVEATDG GTPSLSDVAT VNVNVTIND NTPVFSQDTY TTVISEDAVL EQSVITVMAD DADGPNSHI HYSIIDGNQG SSFTIDPVRG EVKVTKLLDR ETISGYTLTV QASDN

```
GSPPR VNTTTVNIDV SDVNDNAPVF SRGNYSVIIQ ENKPVGFVSVL QLVVTDEDSS HNGPPFFFTI VTGNDEKAFE VNPQGVLLTS SAIKRKEKDH YLLQVKVADN GKPQLSSL  
TY IDIRVIEESI YPPAILPLEI FITSSGEEYS GGVIKIHAT DQDVYDTLTY SLDPQMDNLF SVSSTGGKLI AHKLDIGQY LLNVSVTDGK FTTVADITVH IRQVTQEMLN HTIA  
IRFANL TPEEFVGDYW RNFQRALRNI LGVRRNDIQI VSLQSEPHH HLDVLLFVEK PGSAQISTKQ LLHKINSSVT DIEEIIIGVRI LNVFQKLCAG LDCPWKFCDE KVSVDSEV  
MS THSTARLSFV TPRHHRAAVC LCKEGRCPV HHGCEDDPCP EGSECVSDPW EEKHTCVCPG GRFGQCPGSS SMTLTGNSYV KYRLTENENK LEMKLTMLRL TYSTHAVV  
MY ARGTDYSILE IHHGRLQYKF DCGSGPGIVS VQSIQVNDGQ WHAVALEVNG NYARLVLDQV HTASGTAPGT LKTLNLDNYV FFGGHIRQQG TRHGRSPQVG NGFRGCMD  
SI YLNGQELPLN SKPRSYAHIE ESDVSPGCF LTATEDCASN PCQNGGVCNP SPAGGYCKC SALYIGTHCE ISVNPCSSKP CLYGGTCVVD NGGFVCQCRG LYTGQRCQLS  
PYCKDEPCKN GGTCFDSLGD AVCQCDSGFR GERCQSDIDE CSGNPCLHGA LCENTHGSYH CNCSHEYRGR HCEDAAPNQY VSTPWNIOLA EGIGIVVFA GIFLLVVV L  
CRKMISRKK KHQAEPKDKH LGPATAFLQR PYFDSKLNKN IYSDIPPQVP VRPISYTPSI PSDSRNLDNR SFEGSAIPE HPEFSTFNP SVHGHRKAVA VCSVAPNLPP PPSN  
SPSDS DSIQKPSWDF DYDTKVVDLD PCLSKKPLEE KPSQPYSARE SLSEVQLSS FQSESCDDNG YHWDTSDWMP SVPLPDIQEF PNYEVIDEQT PLYSADPNAI DTDYYPG  
GYD IESDFPPPE DFPAADELPP LPPEFSNQFE SIHPPRDMPA AGSLGSSSRN RQRFNLNQYL PNFYPLDMSE PQTGTGENS TCREPHAPPY PGYQRHFEAP AVESMPMSVY  
ASTASCSDVS ACCEVESEVM MSDYESGDDG HFEVITIPPL DSQQHTEV
```

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