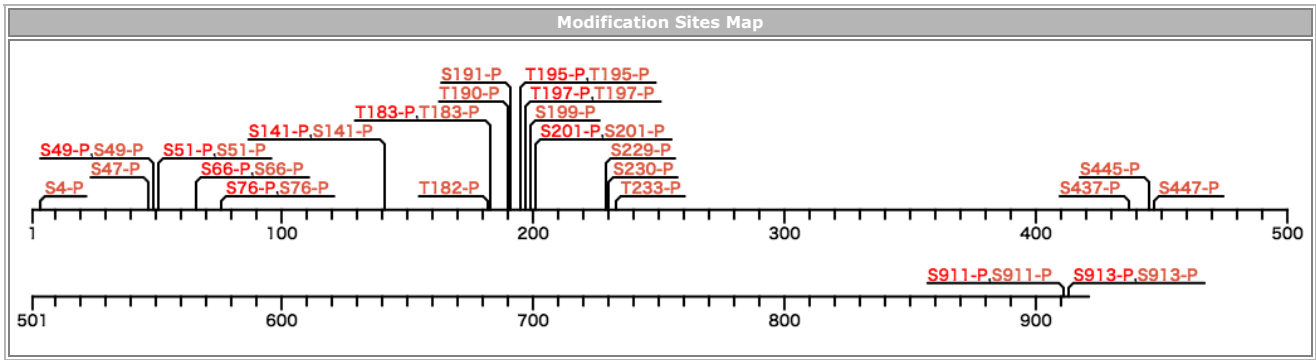


| ID | Accession | GeneName | Chr.No. | Description |
|-------------|-----------|----------|-----------------------------|--------------|
| DNL11_HUMAN | P18858 | LIG1 | 19q13.33 48618702..48673860 | DNA ligase 1 |



Click a modification site to display the information in detail.

| Site no | Amino acid | Type | Division | Detail |
|---------|------------|------|----------|--|
| 49 | S | P | Lab | 140320_OVISE_SCE_.mgf[F017431] |
| 49 | S | P | Lab | 110711_titania_LNCaP_2.mgf[F017434] |
| 49 | S | P | Lab | 110711_titania_LNCaP_AI_1.mgf[F017441] |
| 49 | S | P | Paper | Sci Signal 2009, 2(84), ra46 |
| 49 | S | P | Paper | Sci Signal 2011, 4(179), rs5 |

| Protein Sequence | |
|------------------|--|
| MQR | SIMSFFH PKKEGKAKKP EKEASNSSRE TEPPPKAALK EWNGVVS |
| ESD | SPVKRPRGKA ARVLGSEEGEE EDEALSPAKG QKPALDCSQV SPPRPATSPE NNASLSDTSP M |
| DS | SPSGIPK RRTARKQLPK RTIQEVLEEQSEDEDREAKR KKEEEEEETP KESLTEAEVA TEKEGEDGQ P |
| TT | PPKPLKTSKAEITPESVSEPEVATKQE LQEEEEQTKP PRRAP |
| KT | LSFFTPRKPAVK KEVKEEPEGA PGKEGAAEGP LDPSGYNPAK NNYHPVEDAC WKPGQKVPYL AVARTFEKIE |
| EV | SARLRMVE TLSNLLRSVV ALSPPDLLPV LYLSLNHLG |
| P | PQQLLELGVG DGVLLKAVAQ ATGRQLESVR AEAEEKGDVG LVAENSRSTQ RLMLPPPPLT ASGVFSKFRD |
| IAR | LTGSAST AKKIDIIGKL FVACRHS |
| FI | ARSLGRL RL |
| GL | AEQSVL AALSQAVSLT PPGQEFPPAM VDAGKGKTAE ARKTWLEEQG MILKQTFCEV PDLDRIPVL |
| LE | HGLERLPE HCKLSPGIPL KPMLAHPTRG ISEVLRKREE AaftCEY |
| KYD | GQRAQIHale GGEVKIFSRN QEDNTGKYPD IISRIPKIKL PSVTSFILDt EAWAWDREKK QIQPFQVLTt |
| RKR | KEVDASE IQVQVCLYAF DLIYLNESL VREPLSRRRQ L |
| LRE | NFVETE GEFVFATSLD TKDIEQIAEF LEQSVKDSCE GLMVKTLDVd ATYEIAKRSH NWLKLKkDYL |
| DG | VGDtLDLV VIGAYLGRGK RAGRYGGFLL ASYDESEEL QAIC |
| KL | GTGF SDEELEEhHQ SLKALVLPSP RPYVRIDGAV IPDHwLDPSA VWEVKCADLS LSPiYPAARG |
| LV | SDKGIsl RfPRFIRVRE DKQPEQATTS AqVACLYRKQ SqiQnQQ |
| GED | SGSDPEDTY |

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