

| UniprotKB ID | Entry name | organism     | full name    | oglcnacscore | oglcnac sites | phosphorylation sites                         | PMIDS                      | sequence  |
|--------------|------------|--------------|--------------|--------------|---------------|---|----------------------------|---|
| O55111       | DSG2_MOUSE | Mus musculus | Desmoglein-2 | 17.344924    | T1056;T1060   | S685;S706;S709;S729;T808;S810;S814;S819;S1122 | 37507081;36852467;34678516 | MARSPGDRCALLLLVQLLAVVCLDF<br>GNGLHLEVFSPRNEGKPPFKHHLV<br>RQKRAWITAPVALREGEDLSRKNPIA<br>KIHSDLAEEKGIKITYKYTGKGITEPP<br>FGIFVFDNRNTGELNITSILDREETPYF<br>LLTGYALDSRGNNLEKPLELRIKVLV<br>INDNEPVFTQEVFVGSIEELSAHTL<br>VMKITATDADDPETLNAKVSYRIVSQ<br>EPANSHMFYLNKDTGEIYTTSFLLD<br>REEHSSYSLTVEARDGNGQITDKPV<br>QQAQVQIRILDVNDNIPVVENKMYE<br>GTVEENQVNVEVMRIKVTDADEVGS<br>DNWLANFTFASGNEGGYFHIEDTQ<br>TNEGIVTLVKEVDYEEMKKLDLSIIV<br>TNKAAFHKSILSKYKATPIPIVVKVN<br>VVEGIHFKSSVVSFRASEAMDRSSL<br>SRSIGNFQVFEDEDTGQAAKVTVYKV<br>QDTDNWVSVDSVTSEIKLVKIPDFES<br>RYVQNGTYTAKVVAISKEHPQKTITG<br>TIVITVEDVNDNCPVLVDSVRSVCE<br>EPYVNVTAEDLDGAQNSAPFSFSIID<br>QPPGTAQKWKITHQESTSVLLQOSE<br>RKRGRSEIPFLISDSQGFSCPERQVL<br>QLTVCECLKGGGCVAQAQYDNYVGLG<br>PAAIALMILALLLLLVPLLLLICHCG<br>GGAKGFTPIPGTIEMLHPWNNNEGAP<br>PEDKVVPSSLVADHAESSAVRGGVG<br>GAMLKEGMMKGSSASVTKGQHEL<br>SEVDGRWEEHRSLLTAGATHHVRT<br>AGTIAANEAVRTRATGSSRDMSGAR<br>GAVAVNEEFRLRSYFTEKAASYNGED<br>DLHMAKDCLLVYSQEDTASLRGSVG<br>CCSFIEGELDDLFLDDLGLKFKTLAE<br>VCLGRKIDLDVDIEQRQKPVREASVS<br>AASGSHYEQAVTSSAYSSTGFP<br>APKPLHEVHTEKVTQEIVTESSVSR<br>QSQKVPPDPVASGNIIVTETSyak<br>GSAVPPSTVLLAPRQPQSLIVTERVY<br>APTSTLVDQHYANEEKVLVTERVIQP<br>NGGIPKPLEVTQHLKDAQYVMVRE<br>ESILAPSSGVQPTLAMPVAAGGQN<br>VTVTERILTPASTLQSSYQIPSETSITA<br>RNTVLSVGSIGPLPNLDLEESDRPN<br>STITTSSTRVTKHSTMQHSYS |