

| UniprotKB ID | Entry name | organism          | full name  | oglcnacscore | oglcnac sites | phosphorylation sites | PMIDS             | sequence   | intracellular | extracellular | cytosol | nucleus | mitochondrion | endoplasmic reticulum | golgi apparatus | plasma membrane | extracellular region |
|--------------|------------|-------------------|--|--------------|---------------|-----------------------|-------------------|--|---------------|---------------|---------|---------|---------------|-----------------------|-----------------|-----------------|----------------------|
| Q02253       | MMSA_RAT   | Rattus norvegicus | Methylmalonate-semialdehyde dehydrogenase [acylating], mitochondrial | 29.818346    | S97;S258;S262 | S262;S380             | 26446791;27213235 | MAAAVAAAAVRSRILQVSSKVNST<br>WYPASSFSSSVPTVKLFIDGKFVES<br>KSDKWIDHNPATNEVVGRVPOSTK<br>AEMEAAVAACKRAFPAWADTSILSR<br>QQVLLRYQLIKENLKEIARLITLEQ<br>GKTLADAEAGDVFRGLQVVEHACSVT<br>SLMLGETMPSITKMDLYSYRLPLG<br>VCAGIAPFNFPAMIPLWMFPMAMV<br>CGNTFLMKPSERVPGATMLLAKLLQ<br>DSGAPDGTLNIIHGQHEAVNFICDH<br>PDIKAI SFVGSNQAGEYIFERGSRNG<br>KRVQANMGAKNHGVVMPDANKEN<br>TLNQLVGA AFGAAGQRCMALSTAVL<br>VGEAKKWLPELVERAKNLRVNAGD<br>QPGADLGPLITPQAKERVCNLIDSGA<br>KEGASILLDGRKIKVKGYENGNFVGP<br>TIISNVKPSMTCYKEEIFGPVLVLET<br>ETLDEAIKIVNDNPGNGTAIFTTNG<br>AIARKYAHMVDVGVQVNVVPIPVPL<br>PMFSFTGSRSSFVFRGDTNFGKQGIQ<br>FYTQLKTITSQWKEEDATLSSPAVV<br>MPTMGR | None          | None          | None    | None    | None          | None                  | None            | None            |                      |

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