

Product datasheet for TP511465

Ogdh (NM_010956) Mouse Recombinant Protein

Product data:

Product Type: Recombinant Proteins
Description: Purified recombinant protein of Mouse oxoglutarate (alpha-ketoglutarate) dehydrogenase (lipoamide) (Ogdh), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species: Mouse
Expression Host: HEK293T
Expression cDNA Clone or AA Sequence: >MR211465 representing NM_010956
Red=Cloning site **Green**=Tags(s)

MFHLRTCAAKLRPLTASQTVKTF SQNKPAAIRTFQQIRCYSAPVAAEPFLSGTSSNYVEEMYCAWLENPK
SVHKSWDIFFRNTNAGAPPGTAYQSPLSLSRSSLATMAHAQSLVEAQPNDKLVEDHLAVQSLIRAYQIR
GHHVAQLDPLGILDADLDSSVPADIISSTDKLGFYGLHESDLDKVFHLPTTTFIGGQEPALPLREIIRRL
EMAYCQHIGVEFMFINDLEQCQWIRQKFETPGIMQFTNEEKRTLLARLVRSTRFEEFLQRKWSSEKRFGL
EGCEVLIPALKTIIDMSSANGVDYVIMGMPHRGRLNVLANVIRKELEQIFCQFDSKLEAADEGSGDMKYH
LGMYHRRINRVTDNRNITLSLVANPSHLEAADPVVMGKTKAEQFYCGDTEGKKVMSILLHGDAAFAGQGIV
YETFHLSLDPSTYTHGTVHVVNNQIGFTDPRMARSSPYPTDVARVNAPIFHVNSDDPEAVMYVCKVA
AEWRNTFHKDVVVDLVCYRRNGHNEMDEPMFTQPLMYKQIRKQKPVLPQYAEALLVSQGVVNQPEYEEIIS
KYDKICEEAFTRSKDEKILHIKHWDSPWPGFFTLDGQPRSMTC PSTGLEEDVLFHIGKVASSVPVENFT
IHGGLSRILKTRRELVTNRVDWALAEYMAFGSLLKEGIHVRLSGQDVERGTFSHRHHVLDQNVDKRTC
IPMNLWPNQAPYTVCNSSLSEYGLGFELGFAMASPINALVLEAQFGDFNMAQCIIDQFICPGQAKWV
RQNGIVLLPHGMEGMGPEHSSARPERFLQMCNDPDPVLPDLQEENFDINQLYDCNWIVNCSTPGNFFH
VLRQILLPFRKPLIVFTPKSLLRHPEARTSFDEMLPGTHFQRVIPENGPAAQDPHKVRRLLFCTGKVYY
DLTRERKARNMEEEVAITRIEQLSPFPDLLLLKEAQKYPNAELAWCQEEHKNQGYDYVVKPRLRTTIDRA
KPVWYAGRDPAAAPATGNKKTHTLTELQRFLDTAFDLDAFKKFS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-MYC/DDK
Predicted MW: 116.9 kDa
Concentration: >0.05 µg/µL as determined by microplate BCA method
Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol



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Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_035086
Locus ID:	18293
UniProt ID:	Q60597
RefSeq Size:	6630
Cytogenetics:	11 A1
RefSeq ORF:	3069
Synonyms:	2210403E04Rik; 2210412K19Rik; AA409584; d1401; mKIAA4192
Summary:	2-oxoglutarate dehydrogenase (E1) component of the 2-oxoglutarate dehydrogenase complex, which mediates the decarboxylation of alpha-ketoglutarate. The 2-oxoglutarate dehydrogenase complex catalyzes the overall conversion of 2-oxoglutarate to succinyl-CoA and CO(2). The 2-oxoglutarate dehydrogenase complex is mainly active in the mitochondrion. A fraction of the 2-oxoglutarate dehydrogenase complex also localizes in the nucleus and is required for lysine succinylation of histones: associates with KAT2A on chromatin and provides succinyl-CoA to histone succinyltransferase KAT2A.[UniProtKB/Swiss-Prot Function]