# Recombinant Human OGDHL Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** OGDHL-3599H **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | OGDHL MS Standard C13 and N15-labeled recombinant protein (NP_060715) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells. |
| **Species** | Human |
| **Source** | HEK293 |
| **Description** | The protein encoded by this gene is similar to oxoglutarate dehydrogenase (OGDH) of the OGDH complex, which degrades glucose and glutamate. This gene encodes several isoforms, including some that appear to localize to mitochondria. The encoded protein down-regulates the AKT signaling cascade and can suppress the growth of cervical cancer cells. |
| **Molecular Mass** | 114.5 kDa |
| **AA Sequence** | MSQLRLLPSRLGVQAARLLAAHDVPVFGWRSRSSGPPATFPSSKGGGGSSYMEEM YFAWLENPQSVHKSWDSFFREASEEAFSGSAQPRPPSVVHESRSAVSSRTKTSKL VEDHLAVQSLIRAYQIRGHHVAQLDPLGILDADLDSFVPSDLITTIDKLAFYDLQEADL DKEFQLPTTTFIGGSENTLSLREIIRRLENTYCQHIGLEFMFINDVEQCQWIRQKFETP GVMQFSSEEKRTLLARLVRSMRFEDFLARKWSSEKRFGLEGCEVMIPALKTIIDKSS EMGIENVILGMPHRGRLNVLANVIRKDLEQIFCQFDPKLEAADEGSGDVKYHLGMYH ERINRVTNRNITLSLVANPSHLEAVDPVVQGKTKAEQFYRGDAQGKKVMSILVHGDA AFAGQGVVYETFHLSDLPSYTTNGTVHVVVNNQIGFTTDPRMARSSPYPTDVARVV |

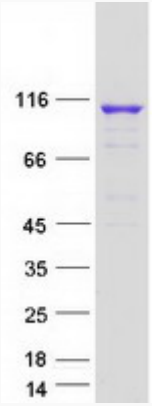
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| | NAPIFHVNADDPEAVIYVCSVAAEWRNTFNKDVVVDLVCYRRRGHNEMDEPMFTQL LMYKQIHRQVPVLKKYADKLIAEGTVTLQEFEEEIAKYDRICEEAYGRSKDKKILHIKH WLNSPWPGFFNVDGEPKSMTCPATGIPEDMLTHIGSVASSVPLEDFKIHTGLSRILR GRADMTKNRTVDWALAEYMAFGSLLKEGIHVRLSGQDVERGTFSHRHHVLHDQEV DRRTCVPMNHLWPDQAPYTVCNSSLSEYGVLGFELGYAMASPNALVLWEAQFGDF HNTAQCIIDQFISTGQAKWVRHNGIVLLLPHGMEGMGPEHSSARPERFLQMSNDDS DAYPAFTKDFEVSQLYDCNWIVVNCSTPANYFHVLRRQILLPFRKPLIIFTPKSLLRHP EAKSSFDQMVSGTSFQRVIPEDGAAARAPEQVQRLIFCTGKVYYDLVKERSSQDLE EKVAITRLEQISPFPFDLIKQEAEKYPGAELAWCQEEHKNMGYYDYISPRFMTILRRA RPIWYVGRDPAAAPATGNRNTHLVSLKKFLDTAFNLQAFEGKTFTRTRPLEQKLISE EDLAANDILDYKDDDDKV |
| **Purity** | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| **Stability** | Stable for 3 months from receipt of products under proper storage and handling conditions. |
| **Storage** | Store at -80 centigrade. Avoid repeated freeze-thaw cycles. |
| **Concentration** | 50 μg/mL as determined by BCA |
| **Storage Buffer** | 100 mM glycine, 25 mM Tris-HCl, pH 7.3. |

## GENE INFORMATION

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| **Gene Name** | OGDHL oxoglutarate dehydrogenase-like [ Homo sapiens (human) ] |
| **Official Symbol** | OGDHL |
| **Synonyms** | OGDHL; oxoglutarate dehydrogenase L; 2-oxoglutarate dehydrogenase-like, mitochondrial; 2-oxoglutarate dehydrogenase complex component E1-like; OGDC- |

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| | E1-like; alpha-ketoglutarate dehydrogenase-like; oxoglutarate dehydrogenase like; EC 1.2.4.- |
| **Gene ID** | 55753 |
| **mRNA Refseq** | NM_018245 |
| **Protein Refseq** | NP_060715 |
| **MIM** | 617513 |
| **UniProt ID** | Q9ULD0 |
| **SDS-PAGE** |  |



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