

Product datasheet for TP305225

OGDHL (NM_018245) Human Recombinant Protein

Product data:

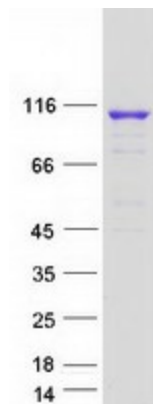
Product Type:	Recombinant Proteins
Description:	Recombinant protein of human oxoglutarate dehydrogenase-like (OGDHL), transcript variant 1, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC205225 protein sequence Red =Cloning site Green =Tags(s)
	<p>MSQLRLLPSRLGVQAARLLAAHDVPVFGWRSRSGPPATFPSSKGGGGSSYMEEMYFAWLENPQSVHKSW DSFFREASEEAFSGSAQPRPPSVHESRSVSSRTKTSKLVEDHLAVQSLIRAYQIRGHHVAQLDPLGIL DADLDSFVPSDLITTIDKLAFYDLQEADLDFEQLPTTTFFIGGSENTLSLREIRRLENTYCYHIGLEFM FINDVEQCQWIRQKFETPGVMQFSSEEKRTLLARLVRSMRFEDFLARKWSEKRFLEGCEVMIPALKTI IDKSSEMGIENVILGMPHRGRNLNLANVIRKDLQIFCQFDPKLEAADEGSGDVKYHLGMYHERINRVTN RNITLSLVANPSHLEAVDPVVGKTKAEQFYRGDAQGGKVMVILVHGDAAFAGQGVVYETFHLSLDLPSYT TNGTVHVVVNNQIGFTTDPMARSSPYPTDVARVVNAPIFHVNADDPEAVIYVCSVAAEWRNTFNKDVVV DLVCYRRRRGHNEMDEPMFTQLLMYKQIHRQVPVLKKYADKLIAEGVTTLQEFEEIAYKDRICEEAYGRS KDKKILHIKHWLNSPWPGFFNVDGEPKSMTCPATGIPEDMLTHIGSVASSVPLEDFKIHTGLSRILRGRA DMTKNRTVDWALAEYMAFGSLLKEGIHVRLSGQDVERGTFSHRHHVLHDQEVDRRTCVPMNHLWPDQAPY TVCNSSLSEYGVLFELGYAMASPNALVLWEAQFGDFHNTAQCIIDQFISTGQAKWVRHNGIVLLLPHGM EGMGPEHSSARPERFLQMSNDDSDAYPAFTKDFEVSQLYDCNWIVVNCSTPANYFHVLRRLQILLPFRKPL IIFTPKSLLRHPEAKSSFDQMVSQTSFQRVIPEDGAAARAPEQVQRLIFCTGKVYYDLVKERSSQDLEEK VAITRLEQISPFDFDLIKQEAEKYPGAELAWCQEEHKNMGYYDYISPRFMTILRRARPIWYVGRDPAAPAA ATGNRNTHLVSLKKFLDTAFNLQAFEGKTF</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-Myc/DDK
Predicted MW:	114.3 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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Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
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.
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_060715
Locus ID:	55753
UniProt ID:	Q9ULD0
RefSeq Size:	3774
Cytogenetics:	10q11.23
RefSeq ORF:	3030
Summary:	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. [provided by RefSeq, Dec 2016]
Protein Pathways:	Citrate cycle (TCA cycle), Lysine degradation, Metabolic pathways, Tryptophan metabolism

Product images:



Coomassie blue staining of purified OGDHL protein (Cat# TP305225). The protein was produced from HEK293T cells transfected with OGDHL cDNA clone (Cat# [RC205225]) using MegaTran 2.0 (Cat# [TT210002]).