

Product datasheet for **TP319080**

OPLAH (NM_017570) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins
Description: Recombinant protein of human 5-oxoprolinase (ATP-hydrolysing) (OPLAH), 20 µg
Species: Human
Expression Host: HEK293T
Expression cDNA Clone or AA Sequence: >RC219080 representing NM_017570
Red=Cloning site **Green**=Tags(s)

MGSPEGRFHFAIDRGGTFTDVFAQCPCGGHVRVLKLLSEDPANYADAPTEGIRRILEQEAGMILLPRDQPLD
SSHASIRMGTTVATNALLERKGERVALLVTRGFRDLLHIGTQARGDLFDLAVPMPEVLYEEVLEVDERV
VLHRGEAGTGTPVKGRTGDLLEVQQPVDLGALRGKLEGLLSRGIKSLAVLMHSYWAQHEQQVGVVLARE
LGFTHVLSSEAMPVVRIVPRGHTACADAYLTPAIQRYVQGFRCRGFQGLKDVQVLFMRSDGGLAPMDTF
SGSSAVLSGPAGGVGYATTYQQEGGQPVIGFDMGGTSTDVSRVAGEFEHVFEASTAGVTLQAPQLDIN
TVAAGGGSRLFFRSGLFVVGPEAGAHGPACYRKGGPVTVDANLVLGRLLPASFPICIFGPGENQPLSP
EASRKALEAVATEVNSFLTNGPCPASPLSLEEVAMGFVRVANEAMCRPIRALTQARGHDPSAHVLACFGG
AGGQHACAIARALGMDTVHIHRHSGLLSALGLALADVHEAQEPCSLLYAPETVQLDQRLSRLEEQCVD
ALQAQGFPRSQISTESFLHLRYQGTDCALMVSAHQHPATARSPRAGDFGAAFVERYMREFGFVIPERPVV
VDDVRVGRGTGRSGLRLEDAPKAQTGPPRVDKMTQCYFEGGYQETPVYLLAELGYGHKLHGPCLIIDSNT
ILVEPGCAEVTKTGDICISVGAEVPGTGVPQLDPIQLSIFSHRFMSIAEQMGRILQRTAISTNIKERLD
FSCALFGPDGGLVSNAPHIPVHLGAMQETVQFQIHLGADLHPGDVLLSNHPSAGGSHLPDLTVITPVFW
PGQTRPVFVYASRGHHADIGGITPGSMPPHSTMLQQEGAVFLSFKLVQGGVFQEEAVTEALRAPGKVPNC
SGTRNLHDNLSDLRAQVAANQKGIQLVGELIGQYGLDVVQAYMGHIQANAELAVRDMRAFGTSRQARGL
PLEVSSDHMDGSPIRLRVQISLSQGSVDFSGTGPEVFGNLNAPRAVTLALYICLRCLVGRDIPLN
QGCLAPVRVVIPRGSILDPSPEAAVGGNVLTQSRVVDVILGAFGACAAASQGCMMNVTLGNAHMGYYETV
AGGAGAGPSWHGRSGVHSHMTNTRITDPEILESRYPVILRRFELRRGSGRGRFRGGDGVTTRELLFREEA
LLSVLTERRAFRPYGLHGGEPGARGLNLLIRKNGRTVNLGGKTSVTVPYVPGDVFLHTPGGGGYGDPEDPA
PPPGSPPQALAFPEHGSVYERRAQEAV

SGPTRRRRLEQKLISEEDLAANDILDYKDDDDKV

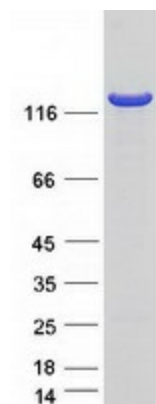
Tag: C-Myc/DDK
Predicted MW: 137.3 kDa
Concentration: >0.05 µg/µL as determined by microplate BCA method



[View online »](#)

Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
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_060040
Locus ID:	26873
UniProt ID:	O14841
RefSeq Size:	3944
Cytogenetics:	8q24.3
RefSeq ORF:	3864
Synonyms:	5-Opase; OPLA; OPLAHD
Summary:	The protein encoded by this gene acts as a homodimer, using ATP hydrolysis to catalyze the conversion of 5-oxo-L-proline to L-glutamate. Defects in this gene are a cause of 5-oxoprolinase deficiency (OPLAHD). [provided by RefSeq, Jun 2012]
Protein Pathways:	Glutathione metabolism

Product images:



Coomassie blue staining of purified OPLAH protein (Cat# TP319080). The protein was produced from HEK293T cells transfected with OPLAH cDNA clone (Cat# [RC219080]) using MegaTran 2.0 (Cat# [TT210002]).