

Product datasheet for TP511894

Oplah (NM_153122) Mouse Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Purified recombinant protein of Mouse 5-oxoprolinase (ATP-hydrolysing) (Oplah), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug

Species: Mouse

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >MR211894 representing NM_153122
Red=Cloning site Green=Tags(s)

MGSPEERFHFAIDRGGTFTDVFAQCPCGGHVRVLKLLSEDPANYADAPTEGIRRILEQERGVLLPRGRPLD
TSHIASIRMGTTVATNALLERQGERVALLVTRGFRDLLHIGTQARPDLDLAVPMPEVLYEEVVEVDERV
LLYRGEPEGAGSPVKGCTGDLEIQQPVDLAALRGKLEGLLTRGIHSLAVLMHSYTWAQHEQQVGLTARE
LGFTHVSLSEVMPMVRIVPRGHTACADAYLTPTIQRYVQGFRRGFQQLKNVQVLFMRSDGGLAPMDAF
SGSRAVLSGPAGGVVGYSTTTYQLEGGQPVIQFDMGGTSTDVSRVYAGEFEHVFEASTAGVTLQAPQLDIN
TVAAGGSRLLFFRSGLFVVGPEAGAHGPACYRKGPPVTVTDANLVLGRLLPASFPICFGPGEDQPLSP
EASRKALEAVAMEVNSFLASGPCPASQSLSEEVAMGFVVRVANEAMCRPIRALTQARGHDPASAHVLACFGG
AGGQHACAIARALGMDTVHIHRHSGLLSALGLALADVHEAQEPCSLSYTPETFAQLDQRLSRLEEQCVD
ALQAQGFSSQISTESFLHLYQGTDCALMVSNQHPATTCSPRAGDFGAAFVERYMREFGFIIPERSV
VDDVVRVGTGRSGLQLEETSQIQSGPPHVEKVTQCYFEGGYQETPVYLLGELGYGHQLQGPCLIIDNNS
ILVEPGCAEVIETGDIRISVGAEAPSMIDTKLDPIQLSIFSHRFMSIAEQMGRILQRTAISTNIKERLD
FSCALFGPDGGLVSNAPHIPVHLGAMQETVQFQIHLGADLHPGDVLLSNHPSAGGSHLPDLTVITPVFW
PGQSRPVFYVASRGHHADIGGITPGSMPPHSTTLQEGAVFLSFKLVQGGVFEAVTEALQAPGKISGC
SGTRNLHDNLSDLRAQVAANQKGIQLVGEIGQYGLDQVQAYMGHIQANAELAVRDMRLAFGTSRQARGL
PLEVSAKDHMDGSPICLHVQINLNQGSVDFDFSGSGSEVFGNLNAPRAITLSALIYCLRCLVGRDIPLN
QGCLAPVQVIIPKGSILDPSPEAAVWGGNVLTQSRVVDVILGAFGACAASQGCMMNVTLGNARMGYETV
AGGAGAGPGWHGRSGVHSHMTNTRITDPEILESRYPVILRRFELRPGSGGRFRFRGGDGVVRELVFREEA
LLSVLTERRAFQPYGLHGGEPGTRGLNLLIRKDGRTVNLGGKTSVTVPYVPGDAFLHTPGGGGGYDPPEDPA
PPPGSPPLYPAPPERGVSVEYRRAQEA

SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-MYC/DDK

Predicted MW: 138.1 kDa



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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
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_694762
Locus ID:	75475
UniProt ID:	Q8K010
RefSeq Size:	3970
Cytogenetics:	15 D3
RefSeq ORF:	3864
Synonyms:	1700010G02Rik
Summary:	Catalyzes the cleavage of 5-oxo-L-proline to form L-glutamate coupled to the hydrolysis of ATP to ADP and inorganic phosphate.[UniProtKB/Swiss-Prot Function]