

Product datasheet for RC217929

PLAUR (NM_001005376) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PLAUR (NM_001005376) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PLAUR
Synonyms:	CD87; U-PAR; UPAR; URKR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC217929 representing NM_001005376 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGTCACCCGCGCTGCTGCCGCTGCTGCTGCTGCTCCACACCTGCGTCCCAGCCTCTTGGGGCCTGC
GGTGCATGCAGTGAAGACCAACGGGGATTGCCGTGTGGAAGAGTGCGCCCTGGGACAGGACCTCTGCAG
GACCACGATCGTGCCTTGTGGGAAGAAGGAGAAGAGCTGGAGCTGGTGGAGAAAAGCTGTACCCACTCA
GAGAAGACCAACAGGACCCTGAGCTATCGGACTGGCTTGAAGATCACCAGCCTTACCGAGGTTGTGTGTG
GGTTAGACTTGTGCAACCAGGGCAACTCTGGCCGGGCTGTCACCTATTCCGAAGCGTTACCTCGAATG
CATTTCTGTGGCTCATCAGACATGAGCTGTGAGAGGGGCGGCCACCAGAGCCTGCAGTGCCGCAGCCCT
GAAGAACAGTGCCTGGATGTGGTGACCCACTGGATCCAGGAAGGTGAAGAAGGGCGTCCAAGGATGACC
GCCACCTCCGTGGCTGTGGCTACCTTCCCGGCTGCCCGGGCTCCAATGGTTTCCACAACAACGACACCTT
CCACTTCTGAAATGCTGCAACACCACCAAAATGCAACGAGGGCCAATCCTGGAGCTTGAATACTGCCG
CAGAATGGCCGCCAGTGTACAGCTGCAAGGGGAACAGCACCCATGGATGCTCCTCTGAAGAGACTTTC
TCATTGACTGCCGAGGCCCATGAATCAATGTCTGGTAGCCACCGGCACTCACGAACGCTCACTCTGGGG
AAGCTGGTTGCCATGTAAGTACTACTGCCCTGAGACCACCATGCTGTGAGGAAGCCCAAGCTACTCAT
GTA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC217929 representing NM_001005376
Red=Cloning site Green=Tags(s)

MGHPPLLPLLLLHTCVPASWGLRCMQCKTNGDCRVEECALGQDLCRTTIVRLWEEGEELELVEKSTHS
 EKTNRTL SYRTGLKITSLETVVCGLDLNCQNGSRAVYTSRSLYECISCGSSDMSRCERGRHQLQCRSP
 EEQCLDVVTHWIQEGEEGRPKDDRHLRGCYLPGCPGNGFHNDDTFHFLKCCNTTKCNEGPILELENLP
 QNGRQCYSCKGNSTHGCSSEETFLIDCRGPMNQCLVATGTHERSLWGSWLPCKSTTALRPPCCEEAQATH
 V

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8049_b06.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001005376

ORF Size: 843 bp

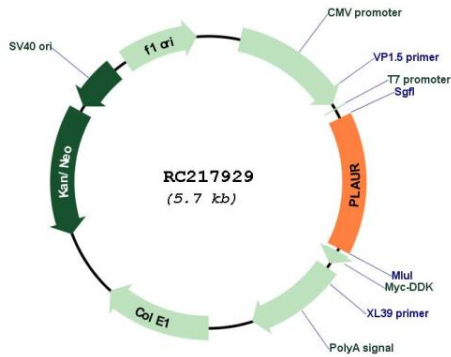
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

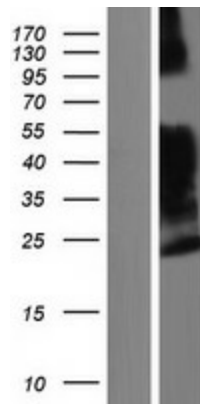
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_001005376.2
RefSeq Size:	1437 bp
RefSeq ORF:	846 bp
Locus ID:	5329
UniProt ID:	Q03405
Cytogenetics:	19q13.31
Protein Families:	Druggable Genome, Secreted Protein
Protein Pathways:	Complement and coagulation cascades
MW:	31.26 kDa
Gene Summary:	<p>This gene encodes the receptor for urokinase plasminogen activator and, given its role in localizing and promoting plasmin formation, likely influences many normal and pathological processes related to cell-surface plasminogen activation and localized degradation of the extracellular matrix. It binds both the proprotein and mature forms of urokinase plasminogen activator and permits the activation of the receptor-bound pro-enzyme by plasmin. The protein lacks transmembrane or cytoplasmic domains and may be anchored to the plasma membrane by a glycosyl-phosphatidylinositol (GPI) moiety following cleavage of the nascent polypeptide near its carboxy-terminus. However, a soluble protein is also produced in some cell types. Alternative splicing results in multiple transcript variants encoding different isoforms. The proprotein experiences several post-translational cleavage reactions that have not yet been fully defined. [provided by RefSeq, Jul 2008]</p>

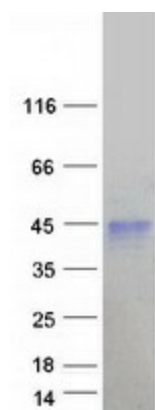
Product images:



Circular map for RC217929



Western blot validation of overexpression lysate (Cat# [LY423709]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC217929 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified PLAUR protein (Cat# [TP317929]). The protein was produced from HEK293T cells transfected with PLAUR cDNA clone (Cat# RC217929) using MegaTran 2.0 (Cat# [TT210002]).