

## Product datasheet for **SC117294**

### PLAAT4 (NM\_004585) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PLAAT4 (NM_004585) Human Untagged Clone
Tag:	Tag Free
Symbol:	PLAAT4
Synonyms:	HRASLS4; HRSL4; PLA1/2-3; PLAAT-4; RARRES3; RIG1; TIG3
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC117294 sequence for NM_004585 edited (data generated by NextGen Sequencing)

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ATGGCTTCGCCACACCAAGAGCCCAAACCTGGAGACCTGATTGAGATTTCCGCCTTGGC
TATGAGCACTGGGCCCTGTATATAGGAGATGGCTACGTGATCCATCTGGCTCCTCCAAGT
GAGTACCCCGGGGCTGGCTCCTCCAGTGTCTTCTCAGTCCTGAGCAACAGTGCAGAGGTG
AAACGGGAGCGCCTGGAAGATGTGGTGGGAGGCTGTTGCTATCGGGTCAACAACAGCTTG
GACCATGAGTACCAACCACGGCCCGTGGAGGTGATCATCAGTTCTGCGAAGGAGATGGTT
GGTCAGAAGATGAAGTACAGTATTGTGAGCAGGAACTGTGAGCACTTTGTCACCCAGCTG
AGATATGGCAAGTCCCGCTGTAAACAGGTGGAAAAGCCAAGGTTGAAGTCGGTGTGGCC
ACGGCGCTTGGAATCCTGGTTGTTGCTGGATGCTCTTTTGGCATTAGGAGATACCAAAAA
AAAGCGACAGCCTGA
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Clone variation with respect to NM\_004585.3  
411 t=>c



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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_004585 unedited            GTAACAACCTGGATTTTGTAAATCCGAACCTACTATNAGGGCGGCACGCGCAATTCGGCAC            GAGGCTGATCCACAAACAAAAGGAGCACCAGACCTCCTCTTGGCTTCGAGATGGCTTCGC            CACACCAAGAGCCCAAACCTGGAGACCTGATTGAGATTTCCGCCTTGGCTATGAGCACT            GGGCCCTGTATATAGGAGATGGCTACGTGATCCATCTGGCTCCTCCAAGTGAGTACCCCG            GGGCTGGCTCCTCCAGTGTCTTCTCAGTCTGAGCAACAGTGCAGAGGTGAAACGGGAGC            GCCTGGAAGATGTGGTGGGAGGCTGTTGCTATCGGGTCAACAACAGCTTGACCATGAGT            ACCAACCCAGGCCCGTGGAGGTGATCATCAGTTCTGCGAAGGAGATGGTTGGTCAGAAGA            TGAAGTACAGTATTGTGAGCAGGAACTGTGAGCACTTTGTCACCCAGCTGAGATATGGCA            AGTCCCGCTGTAACAGGTGAAAAGGCCAAGGTTGAAGTCGGTGTGGCCACGGCGCTTG            GAATCCTGGTGTGCTGGATGCTCTTTTGGCATTAGGAGATACCAAAAAAAGCGACAG            CCTGAAGCAGCCACAAAATCCTGTGTTAGAAGCAGCTGTGGGGTCCCAGTGGAGATGAG            CCTCCCCATGCCTCCAGCAGCCTGACCCTCGTGCCTGTCTCAGGCGTTCTCTAGATCC            TTTCTCTGTTTCCCTCTCTCGTGGCAAAAGTATGATCTAAATTGANACAAGACTGAAG            ATCAATAAACAGCCATCTGCCCTTCAAAAAAAAAAAAAAAGTCTGACTCTAGATTGCGCC            GCNGTCATAGCTTGTTCCTGACAGATCCNNGTGGCATCCCTGTG</p>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_004585 unedited            GCCGCAATCTAGNATCGAGTTTTTTTTTTTTTTTTTTTGAAGGGCAGATGGCTGTTTATT            GATCCTTCAGTCTTGTTCATTAGATCATACTTTTCCAGCGAGAGAGGGAAACAGAGG            AAAGGATCTAGAGAACGCCTGAGACAGGGCAGAGGGTCAAGGCTGCTGGAGGCATGGGG            AGGCTCATCTCCACTGGGACCCACAGCTGCTTCTAACACAGGATTTTGTGGCTGCTTC            AAGCTGTGCTTTTTTTTTTGGTATCTCCTAATCGCAAAAGAGCATCCAGCAACAACCAGGA            TTCCAAGCGCCGTGGCCACCCGACTTCAACCTTGGCCTTTTCCACCTGTTTACAGCGGG            ACTTGCCATATCTCAGCTGGGTGACAAAGTGTCTCACAGTTCCTGCTCACAATACTGTACT            TCATCTTCTGACCAACCATCTCCTTCGCAGAACTGATGATCACCTCCACGGGCCGTGGTT            GGGACTCATGGTCCAAGCTGTTGTTGACCCGATAGCAACAGCCTCCCACCACATTTTTCC            AGCGCTTCCGTTTCCACTCTGCACTGTGCTCACGAATGAAAAGACACTGGAGGAACCAC            CCTCGGGCCCTCCCTCGGAGGCCCCCGATGGACTACTATTCCTCCCCCCTCCCGGGCT            CATTGCCCCCACCACGGCGGTAATTTTTATCCTGCTTTTCCCCCCCCGGCTCCCCCG            CCCCCTTACCCCCCCCCCTTTACGCATGCCCGCCGCCGCCGAANTGGTCCAGTTGTCT            CCATTTGGACCGATGCACCCGGCTTCCCTCCCGGCCGCCGAGGAANTGGTCCAGTTGTCT            TTTCTTTTCTTCAATTTATTACACCGCCCCCGCAGCACCCCCACACGCCCCCCCCAC            CTTCCCTCCCTCCATTTCCCTACACTATTCGACCCAGCGTGTGGCCCCCTCGTCT            TTCCTTACTCTTCTCCG</p>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_004585
<b>Insert Size:</b>	820 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>Components:</b>	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).

<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_004585.2</a> , <a href="#">NP_004576.1</a>
<b>RefSeq Size:</b>	768 bp
<b>RefSeq ORF:</b>	495 bp
<b>Locus ID:</b>	5920
<b>UniProt ID:</b>	<a href="#">Q9UL19</a>
<b>Cytogenetics:</b>	11q12.3
<b>Domains:</b>	NC
<b>Protein Families:</b>	Druggable Genome, Nuclear Hormone Receptor, Transmembrane
<b>Gene Summary:</b>	Retinoids exert biologic effects such as potent growth inhibitory and cell differentiation activities and are used in the treatment of hyperproliferative dermatological diseases. These effects are mediated by specific nuclear receptor proteins that are members of the steroid and thyroid hormone receptor superfamily of transcriptional regulators. RARRES1, RARRES2, and RARRES3 are genes whose expression is upregulated by the synthetic retinoid tazarotene. RARRES3 is thought act as a tumor suppressor or growth regulator. [provided by RefSeq, Jul 2008]