

## Product datasheet for **RG239281**

### **ADAM2 (NM\_001278114) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	ADAM2 (NM_001278114) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ADAM2
Synonyms:	CRYN1; CRYN2; CT15; FTNB; PH-30b; PH30; PH30-beta
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG239281 representing NM\_001278114.  
 Blue=ORF Red=Cloning site Green=Tag(s)

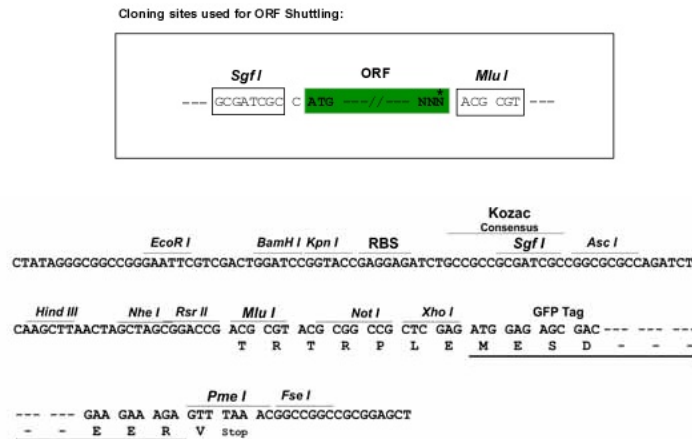
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AGTGAACCTAAAGGG
ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAAAC
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**Protein Sequence:** >Peptide sequence encoded by RG239281  
 Blue=ORF Red=Cloning site Green=Tag(s)

MWRVLFLLSGLGGLRMDSNFDSLVPVQITVPEKIRSIIEKIGIESQASYKIVIEGKPYTVNLMQKNFLPHN  
 FRVYSYSGTGIMKPLDQDFQNFCHYQGYIEGYPKSVVMVSTCTGLRGVLQFENVSYGIEPLESSVGFH  
 VIYQVKHKKADVSLYNEKDIESRDL SFKLQSVEPQQDFAKYIEMHVIVEKQLYNHMGSDTTVVAQKVFQ  
 LIGLTNAIFVSVFNITIIILSSLELWIDENKIATTGEANELLHTFLRWKTSYLVL RPHDVAFLLVYREKSN  
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 CTTDKCNDRGVCNNKKHCHCSASYLPPDCSVQSDLWPGGSDSGNFPPVAIPARLPERRYIENIYHSKP  
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 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFLRDGGYSSVVD SHMHFKSAIHP SILQNGGPMFA  
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**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001278114

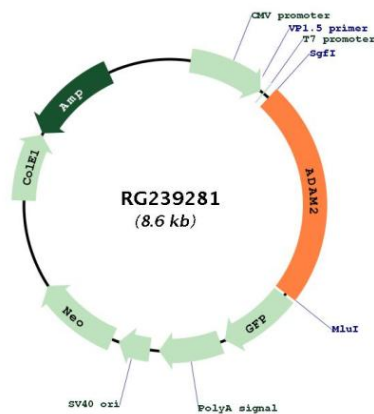
**ORF Size:** 2016 bp

**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.

<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>RefSeq:</b>	<a href="#">NM_001278114.2</a>
<b>RefSeq Size:</b>	2495 bp
<b>RefSeq ORF:</b>	2019 bp
<b>Locus ID:</b>	2515
<b>UniProt ID:</b>	<a href="#">Q99965</a>
<b>Cytogenetics:</b>	8p11.22
<b>Protein Families:</b>	Druggable Genome, Protease, Transmembrane
<b>MW:</b>	76 kDa
<b>Gene Summary:</b>	This gene encodes a member of the ADAM (a disintegrin and metalloprotease domain) family. Members of this family are membrane-anchored proteins structurally related to snake venom disintegrins, and have been implicated in a variety of biological processes involving cell-cell and cell-matrix interactions, including fertilization, muscle development, and neurogenesis. The encoded protein is a subunit of an integral sperm membrane glycoprotein called fertilin, which plays an important role in sperm-egg interactions. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, May 2013]

### Product images:



Circular map for RG239281