

Product datasheet for **RG202539**

START domain containing 7 (STARD7) (NM_020151) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	START domain containing 7 (STARD7) (NM_020151) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	START domain containing 7
Synonyms:	FAME2; GTT1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG202539 representing NM_020151 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGCGTTAGCCGGCGTCTTCGTTTGGGACGAGGAGAGGATCCAGGAGGAGGAGTTGCAGAGATCTA
TTAATGAGATGAAGCGGTTGGAAGAAATGTCAAATATGTTTCAGAGCTCTGGAGTCCAGCACCACCTCC
AGAACCAAAGCCCAAACAGAAGGGAATGAAGATTCAGAGGGCAAAGAGCAACGTTGGGAAATGGTGATG
GATAAGAAACACTTTAAGCTGTGGCGGCCCAATTACAGGCACCACCTTTACCAGTACCGAGTTTTTTG
GAACCTACACAGATGTGACACCTCGGCAGTTCTTCAATGTTTCAGCTGGACACAGAGTATAGAAAAAATG
GGATGCCCTGGTAATCAAGCTGGAGGTGATTGAGAGGGATGTGGTTAGTGGTCCGAGGTTCTTCACTGG
GTAACCCATTTTCCTTATCCAATGTACTCACGGGATTATGTTTATGTTCCGGCGGTATAGTGTGGATCAGG
AAAACAACATGATGGTGTGGTGTGCGGTGCTGTGGAGCATCCGAGTGTGCCAGAGTCTCCAGAATTCGT
CAGGGTCAGATCATATGAATCCCAAATGGTTATCCGTCCCACAAGTCATTTGATGAGAATGGCTTTGAC
TACTTACTAACATACAGTGACAATCCCCAACGGTGTTCCTCGTACTGTGTTAGTTGGATGGTTTCCA
GTGGCATGCCAGATTTCTGGAGAAGCTGCACATGGCCACTCTGAAAGCCAAGAATATGGAGATTAAGT
AAAGGACTACATCTCAGCTAAGCCTCTGGAAATGAGTAGTGAAGCCAAGGCCACCAGCCAGTCTCTGAG
CGAAAGAACGAGGGCAGCTGTGGCCCTGCTCGGATTGAGTATGCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG202539 representing NM_020151
 Red=Cloning site Green=Tags(s)

MAALAGVFVWDEERIQEEELQRSINEMKRLEEMSNMFQSSGVQHHPPEPKAQTEGNEDESGKEQRWEMVM
 DKKHKFLWRPITGTHLYQYRVFGTYDVTVPQQFFNVQLDTEYRKKWDALVIKLEVIERDVVSGSEVLHW
 VTHFPYPMYSRDYVYVRRYSVDQENMMVLVSRAVEHPSVPEFVVRVRSYEQMVIRPHKSFDENGFD
 YLLTYSNDNPQTVFPRYCVSWMVSSGMPDFLEKLHMATLKAKNMEIKVKDYISAKPLEMSSEAKATSQSSE
 RKNEGSCGPRIEYA

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_020151

ORF Size: 885 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:

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_020151.2](#), [NP_064536.1](#)

RefSeq Size: 3394 bp

RefSeq ORF: 1113 bp

Locus ID: 56910

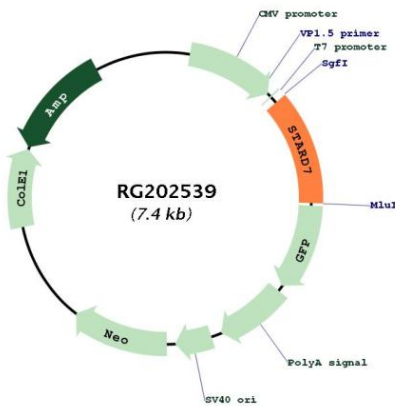
UniProt ID: [Q9NQZ5](#)

Cytogenetics: 2q11.2

Domains: START

Gene Summary: May play a protective role in mucosal tissues by preventing exaggerated allergic responses. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG202539