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Product datasheet for RC220042

Achaete scute homolog 3 (ASCL3) (NM_020646) Human Tagged ORF Clone

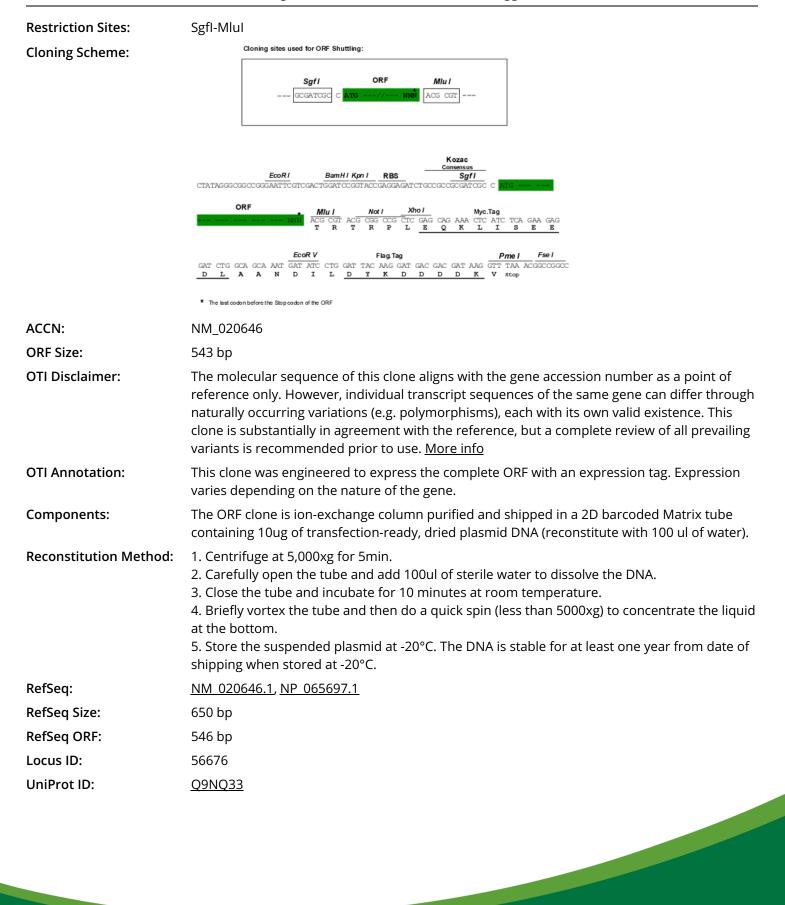
Product data:

Product Type:	Expression Plasmids
Product Name:	Achaete scute homolog 3 (ASCL3) (NM_020646) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Achaete scute homolog 3
Synonyms:	bHLHa42; HASH3; SGN1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	<pre>>RC220042 representing NM_020646 Red=Cloning site Blue=ORF Green=Tags(s)</pre>
	TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCC <mark>GCGATCGC</mark> C
	ATGATGGACAACAGAGGCAACTCTAGTCTACCTGACAAACTTCCTATCTTCCCTGATTCTGCCCGCTTGC CACTGACCAGGTCCTTCTATCTGGAGCCCATGGTCACTTTCCACGTGCACCCAGAGGCCCCGGTGTCATC CCCTTACTCTGAGGAGCTGCCACGGCTGCCTTTTCCCAGCGACTCTCTTATCCTGGGAAATTACAGTGAA CCCTGCCCCTTCTCTTTCCCGATGCCTTATCCAAATTACAGAGGGTGCGAGTACTCCTACGGGCCAGCCT TCACCCGGAAAAGGAATGAGCGGGAAAGGCAGCGGGTGAAATGTGTCAATGAAGGCTATGCCCAGCTCCG CCATCATCTGCCAGAGGAGTATTTGGAGAAGCGACTCAGCAAAGTGGAAACCCTCAGAGCTGCGATCAAG TACATTAACTACCTGCAGTCTCTTCTGTACCCTGATAAAGCTGAGACCAAGAATAACCCTGGAAAAGTTT CCTCCATGATAGCAACCACCAGCCACCATGCTGACCCTATGTCAGAATTGTT
	ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAG GTTTAA
Protein Sequence:	>RC220042 representing NM_020646 <mark>Red</mark> =Cloning site Green=Tags(s)
	MMDNRGNSSLPDKLPIFPDSARLPLTRSFYLEPMVTFHVHPEAPVSSPYSEELPRLPFPSDSLILGNYSE PCPFSFPMPYPNYRGCEYSYGPAFTRKRNERERQRVKCVNEGYAQLRHHLPEEYLEKRLSKVETLRAAIK YINYLQSLLYPDKAETKNNPGKVSSMIATTSHHADPMFRIV
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Chromatograms:	https://cdn.origene.com/chromatograms/mg3281_h07.zip



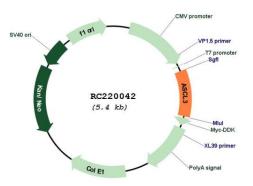
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CRIGENE Achaete scute homolog 3 (ASCL3) (NM_020646) Human Tagged ORF Clone – RC220042

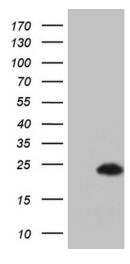


	Achaete scute homolog 3 (ASCL3) (NM_020646) Human Tagged ORF Clone – RC220042
Cytogenetics:	11p15.4
MW:	20.7 kDa
Gene Summary:	Basic helix-loop-helix transcription factors, such as ASCL3, are essential for the determination of cell fate and the development and differentiation of numerous tissues (Jonsson et al., 2004 [PubMed 15475265]).[supplied by OMIM, Mar 2008]

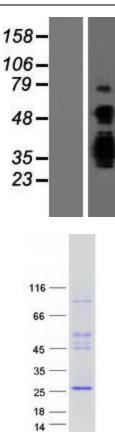
Product images:



Circular map for RC220042



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY ASCL3 (Cat# RC220042, Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-ASCL3(Cat# [TA811864]). Positive lysates [LY412408] (100ug) and [LC412408] (20ug) can be purchased separately from OriGene.



Western blot validation of overexpression lysate (Cat# [LY412408]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC220042 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).

Coomassie blue staining of purified ASCL3 protein (Cat# [TP320042]). The protein was produced from HEK293T cells transfected with ASCL3 cDNA clone (Cat# RC220042) using MegaTran 2.0 (Cat# [TT210002]).