

Product datasheet for **RG224743**

ERMAP (NM_018538) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ERMAP (NM_018538) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ERMAP
Synonyms:	BTN5; PRO2801; RD; SC
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG224743 representing NM_018538
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAGATGGCGAGTTCTGCTGGCTCCTGGCTCTCTGGCTGCCTCATCCCTCTCGTCTTCTCCGGCTGT
 CTGTGCATGTGTAGGCCACGCAGGGGATGCCGCAAGTTCCACGTGGCCCTACTAGGGGGCACAGCCGA
 GCTGCTCTGCCCTCTCTCCCTCTGGCCCCGGACGGTACCCAAGGAGGTGAGGTGGCTGCGGTCCCCATTC
 CCGCAGCGCTCCCAGGCTGTTACACATATCCGGGATGGGAAGGACCAGGATGAAGATCTGATGCCGGAAT
 ATAAGGGGAGGACGGTGTAGTGAGAGATGCCCAAGAGGGAAAGTGTCACTCTGCAGATCCTTGACGTGCG
 CCTTGAGGACCAAGGGTCTTACCGATGTCTGATCCAAGTTGAAATCTGAGTAAAGAGGACACCGTGATC
 CTGCAGGTTGCAGCCCCATCTGTGGGAGTCTCTCCCCCTCAGCAGTGGCTCTGGCTGTGATCCTGCCTG
 TCCTGGTACTTCTCATCATGGTGTGCCTTTGCCTTATCTGGAAGCAAAGAAGAGCAAAAGAAAAGCTTCT
 CTATGAACATGTGACGGAGGTGGACAATCTTCTTTCAGACCATGCTAAAGAAAAAGAAAACCTCCATAAA
 GCTGTCAAGAACTCCGGAGTGAAGTTGAAAAGAGCTGCAGCAAACCTCAGGCTGGAGAAGAGCCC
 GGTTCATTTTGTGCGAGTGACCCTGGACCCAGACACAGCACATCCCAAACCTATCCTTTCTGAGGACCA
 AAGATGTGTAAGGCTTGGAGACAGACGGCAGCCTGTACCTGACAACCCCAAGAGATTTGATTTCTGTTGTC
 AGCATCTAGGCTCTGAGTACTTCACGACTGGCTGCCACTACTGGGAGGTGTATGTGGGAGACAAGACCA
 AATGGATTCTTGGAGTATGTAGTGAGTCAGTGAGCAGGAAGGGGAAGGTTACTGCCTCACCTGCCAATGG
 AACTGGCTTCTGCGACAGATCGTGGGAAATGAGTATGAAGCTCTCACATCCCCGACACCTCCTTCCGC
 CTTAAAGAGCCTCACGGTGTGTGGGATTTTCTGGACTATGAAGCAGGAGTCATCTTTTCTACAATG
 TGACCAACAAGTCCCACATCTTTACTTTTACCCACAATTTCTCTGGCCCCCTTCGCCCTTTCTTTGAACC
 TTGCCTTCATGATGGAGGAAAAAACACAGCACCTCTAGTCATTTGTTTCAGAACTACACAAAATCAGAGGAA
 TCAATTGTCCCCAGGCCAGAAAGGAAAGGCCATGCTAATGGAGATGTGTCCCTCAAGGTGAACCTTCTCT
 TACTACCCCGAAGGCCAGAGCTGAAGGATATAATCCTGTCTTGGCCCTGACCTTGGCCAGCCCT
 TCAGGAGCTCAAGGCTCCTTCTTT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG224743 representing NM_018538
 Red=Cloning site Green=Tags(s)

MEMASSAGSWLSGCLIPLVFLRLSVHVSFHAGDAGKFHVALLGGTAELLCPLSLWPGTVPKEVRWLRSPF
 PQRSQAVHIFRDGKDQEDLMPEYKGRVTLVRDAQEGSVTLQILDVRLDQGSYRCLIQVGNLSKEDTVI
 LQVAAPSVGSLSPSAVALAVILPVLVLLIMVCLLIWKQRRAKEKLLYEHVTEVDNLLSDHAKEKGLHK
 AVKKLRSELKLRAAAANSWRRARLHFVAVTLDPDTAHPKLIILSEDQRCVRLGDRRQVDPDNPQRFDFV
 SILGSEYFTTGCHYWEVYVGDKTWILGVCSESVSRKGVKTASPANGHWLLRQSRGNEYEALTSPQTSFR
 LKEPPRCVGIIFLDYEAGVISFYNVNKNSHIFTFTHNFSGPLRPFEPCLHDGGKNTAPLVCSELHKSEE
 SIVPRPEKGHANGDVSLKVNSSLPPKAPKLDIILSLPPDLGPALQELKAPSF

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

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_018538.3](#), [NP_061008.2](#)

RefSeq Size: 3381 bp

RefSeq ORF: 1428 bp

Locus ID: 114625

UniProt ID: [Q96PL5](#)

Cytogenetics: 1p34.2

Domains: IGv, IG, SPRY, PRY

Protein Families: Druggable Genome, Transmembrane

Gene Summary: The protein encoded by this gene is a cell surface transmembrane protein that may act as an erythroid cell receptor, possibly as a mediator of cell adhesion. Polymorphisms in this gene are responsible for the Scianna/Radin blood group system. Two transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Jul 2008]