

Product datasheet for **RG212297**

EPN3 (NM_017957) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EPN3 (NM_017957) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	EPN3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG212297 representing NM_017957
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGACGACCTCCGCACTCCGGCGCCAGGTGAAGAACATCGTGCACAACACTCCGAGGCAGAAATCAAGG
 TGCAGGAGGCCACCAGCAATGACCCCTGGGGCCCCCTAGTTCGCTCATGTCCGAGATCGCTGACCTGAC
 CTTCAACACAGTGGCCTTACCCGAAGTCATGGGCATGCTGTGGCGCGGCTCAATGACAGCGCAAGAAC
 TGGCGGCACGTGTACAAGGCTCTAACATTGCTGGACTACCTGCTCAAGACGGGCTCCGAGCGGGTGGCCC
 ACCAGTGCCGCGAGAACCCTACACCATCCAGACACTCAAGGACTTCCAGTACATCGACCGGACGGCAA
 GGACCAGGGCGTCAACGTGCGCGAGAAGGTCAAGCAGGTGATGGCCCTGCTCAAGGATGAGGAGCGGCTG
 CGGAGGAGCGAACCACGCCCTCAAGACCAAGGAGCGCATGGCACTGGAGGGCATCGGCATTGGCAGTG
 GGCAGCTGGGCTTACGCCCGCTACGGCGAGGACTACAGCCGCTCCCGGGGCTCCCGCTCTCTACAA
 CTCTCTCTTTCGTACCCCGCTATACCTCCGACCTGGAGCAGGCCCGGCTCAGACGTCAGGGGAAGAG
 GAACTGCAGCTGCAGCTGGCCCTCGCCATGAGCCGTGAGGAGGCAGAGAAGCCTGTCCCCCAGCCCTCC
 ACAGGGACGAGGACCTGCAGCTGCAGCTGGCTCTGCGCCTGAGCCGCGAGGAGCACGAGAAGGAGGTGAG
 GTCCTGGCAGGGTATGGCTCCCCATGGCCAATGGTGCAGGGGCGGTGGTCCACCATCAGCGGGACAGA
 GAGCCTGAGAGAGAGGAGAGAAAGGAGGAGGAGAAGCTAAAAACCAGCCAGTCTCCATCTGGACTTGG
 CTGACATCTTCGTACCTGCCCTGGCCCCGCCCTCCACACACTGCTCTGCTGACCCATGGGACATCCCAGG
 TTTTAGGCCGAACACAGAGGCCAGTGGATCCTCCTGGGGGCTTCTGCAGACCCCTGGTCTCCGATCCCC
 TCAGGAACCGTCTGTCCGAAGCCAGCCCTGGGATCTGACTCCCATGCTCTCTCTCTGAGCCCTGGG
 GCAGGACCCCACTGCTGCCTGCTGGGCCCCACCACAGACCCCTGGGCCCTGAACTCTCCCACATAAA
 ACTCCCCAGCACTGGGGCTGACCCTTGGGGAGCCTCCCTGGAGACCTCCGACACACCTGGTGGTGCCTCG
 ACCTTTGACCCATTTGCCAAACCTCCAGAATCCACAGAGACCAAGGAGGGGCTGGAGCAGCCCTGCCCT
 CTGGGAAGCCCAGCAGCCCTGTGGAGCTGGACCTGTTGGAGACCCAGCCCCAGTTCCAAGCAAATGG
 CACGAAGGAGCCAGATGCCCTGGACCTGGGCATACTAGGGGAAGCACTAACCCAGCCAAGCAAAGAGGCC
 CGAGCTTGCCGGACTCCCGAGTCTTCTGGGTCCCTCAGCTTCTCTTGGTCAACCTTGACTCGTTGG
 TCAAGGCACCCAGTTGCAAAGACCCGGAACCCCTTCTGACAGGTCTCAGCGCTCCGTCACCCACCAA
 CCCGTTCCGGCGGGCGAGACGGGCGAGCCGACGCTAAACCAGATGCGCACCGGCTCGCCGGCGCTGGG
 CTGGCAGGCGGGCTGTGGGGCGCCCTGGGCTCCATGACCTACAGCGCTCTCTGCCCTCCCGCTCA
 GCAGCGTCCAGCTGGCTTGACCCTCCCGCCTCGGTTAGCGTCTTCCCGCAGGCCGAGCCTTCGCACC
 GCAGCCGCTGCTGCCACGCCGAGCTCAGCCGGGCGCGGCCCCCGCCCCGAGACCGGCACCAACCC
 TTCCTC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG212297 representing NM_017957
 Red=Cloning site Green=Tags(s)

MTTSALRRQVKNIHVHNYSEAEIKVREATSNDPWGPSSLMSEIADLTFNTVAFTEVMGMLWRRNLNDSGKN
 WRHVYKALTLLDYLLKTGSERVAHQRENLYTIQTLKDFQYIDRDGKDQGVNREKVKQVMALLKDEERL
 RQERTHALKTKERMALEGIGIGSQLGFSRRYGEDYSRSRGPSSYNSSSSSPRYTSDLEQARPQTSGEE
 ELQLQLALAMSREEAEKPVPPASHRDEDLQLQLALRLSRQEHEKEVRSWQGDGSPMANGAVVHHQRDR
 EPEREERKEEEKLKTSQSSILDADIFVPALAPPSTHCSADPWDIPGFRPNTEASGSSWGPSADPWSPIP
 SGTVLSRSQPWDLTPMLSSSEPWGRTPVLPAGPPTTDPWALNSPHYKLPSTGADPWGASLETSDTPGGAS
 TFDPFAPPESTETKEGLEQALPSGKPPSPVELDLFGDPSPPSKQNGTKEPDALDLGILGEALTQPSKEA
 RACRTPESFLGPSASSLVNLDLVLKAPQVAKTRNPFLTGLSAPSPTNPFAGAGETGRPTLNQMRGTGSPALG
 LAGGPVGAFLGSMYASLPLPLSSVPAGLTLPASVSVFPQAGAFAPQPLLTPSSAGPRPPPPQTGTPN
 FL

TRTRPLE – GFP Tag – V

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:	<ol style="list-style-type: none">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_017957.1 , NP_060427.1
RefSeq Size:	2943 bp
RefSeq ORF:	1899 bp
Locus ID:	55040
UniProt ID:	Q9H201
Cytogenetics:	17q21.33
Domains:	ENTH, UIM
Protein Pathways:	Endocytosis