

## Product datasheet for **RG212207**

### EXTL2 (NM\_001033025) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	EXTL2 (NM_001033025) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	EXTL2
Synonyms:	EXTR2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG212207 representing NM_001033025 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAGGTGTTGCCACATCTGCAAACCTCCTGGGAGAGTAATGGGGATTTCGAGTGCCTTCGATTATCTTTGG  
TGGTCATCCTCGTATTACTGGTAGCTGGTCTTTGACTGCCTTACTTCCCAGTGTTAAAGAAGACAA  
GATGCTCATGTTGCGTAGGGAAATAAAATCCCAGGGCAAGTCCACCATGGACTCCTTTACTCTCATAATG  
CAGACGTACAACAGAACAGATCTCTTATTGAAACTTTTAAATCATTATCAGGCTGTACCAAATCTGCACA  
AAGTGATTGTGGTATGGAACAATATTGGAGAGAAGGCACCAGATGAATTATGGAATTCTCTAGGGCCCCA  
CCCTATCCCTGTGATCTTCAAACAACAGACAGCAAACAGGATGAGAAATCGACTCCAGGTCTTTCCTGAA  
CTGGAAACCAATGCAGTGTGGTAGATGATGACACACTCATCAGCACCCAGACCTGTTTTTGGCTT  
TCTCAGTTTGGCAGCAATTTCTGATCAAATTGTAGGATTTGTTCTAGAAAGCACGTCTCTACTTCATC  
AGGTATCTACAGTTATGGAAGTTTTGAAATGCAAGCACCAGGGTCTGGAAATGGTGACCAGTACTCTATG  
GTGCTGATTGGAGCCTCATTCTCAATAGCAAATATCTTGAATTTTCAGAGGCAACCTGCAGCTGTCC  
ATGCTTTGATAGATGATACTCAAACCTGTGATGATATTGCCATGAATTTATCATTGCCAAGCATATTGG  
CAAGACTTCAGGGATATTTGTGAAGCCTGTAACATGGACAATTTGGAAAAAGAAACCAACAGTGGCTAT  
TCTGGAATGTGGCATCGAGCTGAGCAGCTCTGCAGAGGCTTATTGTATAAATAAGCTTGTTAATATCT  
ATGATAGCATGCCCTTAAGATACTCCAACATTATGATTTCCAGTTTGGTTTTCCATATGCCAACTACAA  
AAGAAAAATA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**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\\_001033025.3](#)

**RefSeq Size:** 2869 bp

**RefSeq ORF:** 993 bp

**Locus ID:** 2135

**UniProt ID:** [Q9UBQ6](#)

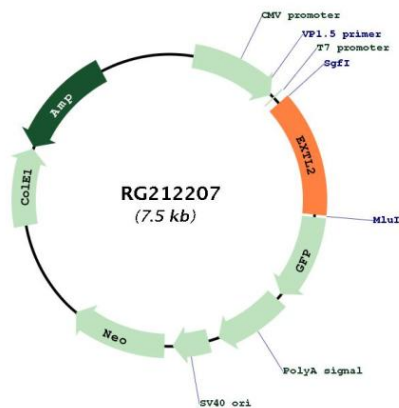
**Cytogenetics:** 1p21.2

**Protein Families:** Transmembrane

**Protein Pathways:** Heparan sulfate biosynthesis

**Gene Summary:** Glycosyltransferase required for the biosynthesis of heparan-sulfate and responsible for the alternating addition of beta-1-4-linked glucuronic acid (GlcA) and alpha-1-4-linked N-acetylglucosamine (GlcNAc) units to nascent heparan sulfate chains.[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for RG212207