

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_206812.2](#), [NP_996535.2](#)

RefSeq Size: 2002 bp

RefSeq ORF: 627 bp

Locus ID: 4340

UniProt ID: [Q16653](#)

Cytogenetics: 6p22.1

Protein Families: Transmembrane

Gene Summary: The product of this gene is a membrane protein expressed on the oligodendrocyte cell surface and the outermost surface of myelin sheaths. Due to this localization, it is a primary target antigen involved in immune-mediated demyelination. This protein may be involved in completion and maintenance of the myelin sheath and in cell-cell communication. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2008]

Transcript Variant: This variant (alpha2) has multiple differences in the coding region, compared to variant beta1. Alpha type variants use an alternative splice site at the 3' end, compared to isoform beta1. The resulting isoform (alpha2), also known as isoform 5, is shorter and contains a shorter and distinct C-terminus, compared to isoform beta1.