

**PRODUCT INFORMATION**

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| <b>Target</b>                           | Opticin  |
| <b>Synonyms</b>                         | OPT  |
| <b>Description</b>                      | Recombinant protein of human opticin (OPTC)  |
| <b>Delivery</b>                         | 2-3 weeks  |
| <b>Uniprot ID</b>                       | Q9UBM4   |
| <b>Expression Host</b>                  | HEK293T  |
| <b>Tag</b>                              | C-Myc/DDK  |
| <b>Molecular Characterization</b>       | N/A  |
| <b>Molecular Weight</b>                 | 35.1 kDa   |
| <b>Purity</b>                           | > 80% as determined by SDS-PAGE and Coomassie blue staining  |
| <b>Formulation &amp; Reconstitution</b> | 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol   |
| <b>Storage &amp; Shipping</b>           | Store at -80°C.  |
| <b>Background</b>                       | <p>Opticin belongs to class III of the small leucine-rich repeat protein (SLRP) family. Members of this family are typically associated with the extracellular matrix. Opticin is present in significant quantities in the vitreous of the eye and also localizes to the cornea, iris, ciliary body, optic nerve, choroid, retina, and fetal liver. Opticin may noncovalently bind collagen fibrils and regulate fibril morphology, spacing, and organization. The opticin gene is mapped to a region of chromosome 1 that is associated with the inherited eye diseases age-related macular degeneration (AMD) and posterior column ataxia with retinosa pigmentosa (AXPC1). [provided by RefSeq, Jul 2008]</p> |
| <b>Usage</b>                            | Research use only  |
| <b>Conjugate</b>                        | Unconjugated   |

