



# Recombinant Mouse Medium-wave-sensitive opsin 1 (Opn1mw)

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| <b>Product Code</b>      | CSB-CF016352MO   |
| <b>Storage</b>           | Store at -20°C, for extended storage, conserve at -20°C or -80°C.  |
| <b>Uniprot No.</b>       | O35599   |
| <b>Product Type</b>      | Transmembrane Protein  |
| <b>Immunogen Species</b> | Mus musculus (Mouse)   |
| <b>Sequence</b>          | MAQRLTGEQTLDHIEDSTHASIFTYTNSNSTKGPFEQPNYHIAPRWVYHLTST<br>WMILVVV<br>ASVFTNGLVLAATMRFKCLRHPLNWILVNLAVADLAETIIASTISVVNQIYG YFVL<br>GHPL<br>CVIEGYIVSLCGITGLWLSLAISWERWLVVCKPFGNVRFDAKLATVGIVFSWVW<br>AAIWTA<br>PPIFGWSRYWPYGLKTSCGPDVFSGTSYPGVQSYMMVLMVTCCIFPLSIIVLC<br>YLQVWLA<br>IRAVAKQQKESESTQKAEKEVTRMVVVMVFAYCLCWGPYTFACFATAHPGY<br>AFHPLVAS<br>LPSYFAKSATIYNPIIYVFMNRQFRNCILHLFGKKVDDSSSELSSTSKTEVSSVSS<br>VSPA |
| <b>Source</b>            | in vitro E.coli expression system  |
| <b>Target Names</b>      | Opn1mw   |
| <b>Protein Names</b>     | Recommended name: Medium-wave-sensitive opsin 1 Alternative name(s):<br>Green cone photoreceptor pigment Green-sensitive opsin Short name= M opsin<br>Medium wavelength-sensitive cone opsin   |
| <b>Expression Region</b> | 1-359  |
| <b>Notes</b>             | Repeated freezing and thawing is not recommended. Store working aliquots at<br>4°C for up to one week.   |
| <b>Tag Info</b>          | Tag type will be determined during the manufacturing process.  |
| <b>Protein Length</b>    | Full length protein  |
| <b>Shelf Life</b>        | The shelf life is related to many factors, storage state, buffer ingredients,<br>storage temperature and the stability of the protein itself.<br>Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life<br>of lyophilized form is 12 months at -20°C/-80°C.   |