

Recombinant Full Length Gadus Morhua Melanopsin-A(Opn4A) Protein, His-Tagged

Cat. No. RFL36800GF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Gadus morhua Melanopsin-A(opn4a) Protein (Q804X9) (1-561aa), fused to N-terminal His tag, was expressed in E. coli.
Species	Gadus morhua (Atlantic cod)
Source	E.coli
ProteinLength	Full Length (1-561)
Form	Lyophilized powder
AA Sequence	MRPSTDTMEADTAATHRNFITKVDVPDHAHYTVAFFVSVIGTLGVTGNALVQFAFYS NKK LRNLPNYFIMNQAASDFLMAFTQSPFFFINCLNREWIFGELGCKLYAFLGALFGI TSMIN LLAISLDRYMVITRPLEAMKWNSKRRTTIAILLVWLYSLAWSLAPLVGWSSYI PEGLRTS CTWDYVITYTASNRSYTMMLCCFVFFIPLAISYCYLFMFLAIRKTSRDVER LGIQVRKST IIRQKSIRTEWKLAKIAFVVVVVVLWSVPYACVTMISWSGHANILSPYS KTVPAVIAKA STIYNPFIYAIHQKYRKTLDKVPCLRFLAPNKRKDCSTSSSFSGSSYR DSVISRTSTAI RRQSTAASRHASASKTAAGASSYSSSDRVFGDVEMDPIDWRSGAS FRRHSSRGSTRDRDL LKKQQMERTNKSAAHKQPSPSTKMSATHCKNKTVSSSVN MAAAPPQLVLIRKRSQSLTNG LSDAGKKTTVANGTPGNHKSADLHFRNLPALDQ ALNVPRIIVISPTSEDCLVKHESSF TDDGSVGTVVDEDSLEDNDVV
Purity	Greater than 90% as determined by SDS-PAGE.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Storage	Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.
Storage Buffer	Tris/PBS-based buffer, 6% Trehalose, pH 8.0
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

GENE INFORMATION

Gene Name	opn4a
Synonyms	opn4a; Melanopsin-A; Opsin-4A
UniProt ID	Q804X9

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