

Recombinant Full Length Branchiostoma Belcheri Melanopsin(Opn4) Protein, His-Tagged

Cat. No. RFL20247BF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Branchiostoma belcheri Melanopsin(OPN4) Protein (Q4R1I4) (1-706aa), fused to N-terminal His tag, was expressed in E. coli.
Species	Branchiostoma belcheri (Amphioxus)
Source	E.coli
ProteinLength	Full Length (1-706)
Form	Lyophilized powder
AA Sequence	MTEIPSFQPPINATEVEEENAVFPTALTEWFSEVGNQVGEVALKLLSGEGDGM EVTP TPG CTGN GSVCNGTDSGGVWDIPPLAHYIVGTAVFCIGCCGMFGNAV VVSFIKS KGLRTPA NFFIINLALSDFLMNLTNMPIFAVNSAFQRWLLSDFACELYGFAGGLFGCL SINTLMAIS MDRYL VITK PFLVMRIVTKQRVMFAILLWWSLVWALPPLFGWSAYVS EGFGTSCTFDY MTPKLSYHIFTYIIFFTMYFIPGGVMIYCYNIFATVKSGDKQFGKAV KEMAHEDVKNKA QQERQRKNEIKTAKIAFIVISLFMSAWTPYAVVSALGTLGYQDLV TPYLQSIPAMFAKSS AVYSPIVYAITYPKFREAVKKHIPCLSGCLPASEEETKTKTRG QSSASASMSMTQTTAPV HDPQASVDSGSSSVSDDSSGVS RQDTMMVKVEVDKR MEKAGGGAADAAPQEGASVSTVSA QIEVRPSGKVTTKADVISTPQTAHGLSASPVP KVAELGSSATLESAAIPGKIPTPLPSQP IAAPIERHMAAMADEPPPKPRGVATTVNVR RTESGYDRSQDSQRKKVVG DTHRSRSFN TT KDHFASEQPAALIQPKELYSDDTTKK MARQSSEKHEYDNPAFDEGITEVD TDSENETEGS YDMLSVRFQAMAEPPVETYR

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KASDLAINLGKASLMLSEAHDETVL

Purity Greater than 90% as determined by SDS-PAGE.

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 OPN4

Synonyms OPN4; MOP; Melanopsin; Opsin-4; amphi-MOP

UniProt ID [Q4R1I4](#)

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