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Produktinformation

- Forschungsprodukte & Biochemikalien
- Zellkultur & Verbrauchsmaterial
- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

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See the following pages for more information!

Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

OPN1LW (Human) Recombinant Protein

Catalog Number: H00005956-G01

Regulation Status: For research use only (RUO)

Product Description: Human OPN1LW full-length ORF (AAI56644.1) recombinant protein without tag.

Sequence:
MAQQWSLQRLAGRHPQDSYEDSTQSSIFTYTNSNST
RGPFEGPNYHIAPRWVYHLTSVWMIFVVTASVFTNGL
VLAATMKFKKLRHPLNWILVNLAVADLAETVIASTISIVN
QVSGYFVLGHPMCVLEGYTVSLCGITGLWSLAIISWER
WLVVCKPFGNVRFDAKLAIVGIAFSWIWSAVWTAPPIF
GWSRYWPHGLKTSCGPDVFSGSSYPGVQSYMIVLMV
TCCIIPLAIIMLCYLQVWLAIRAVAKQQKESESTQKAEK
EVTRMVVVMIFAYCVCWGPYTFFACFAAANPGYAFHP
LMAALPAYFAKSATIYNPVIYVFMNRQFRNCILQLFGKK
VDDGSELSSASKTEVSSVSSVSPA

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 40.04

Applications: AP
(See our web site product page for detailed applications information)

Protocols: See our web site at http://www.abnova.com/support/protocols.asp or product page for detailed protocols

Form: Liquid

Preparation Method: *in vitro* wheat germ expression system with proprietary liposome technology

Purification: None

Recommend Usage: Heating may cause protein aggregation. Please do not heat this product before electrophoresis.

Storage Buffer: 25 mM Tris-HCl of pH8.0 containing 2% glycerol.

Storage Instruction: Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 5956

Gene Symbol: OPN1LW

Gene Alias: CBBM, CBP, RCP

Gene Summary: This gene encodes for a light absorbing visual pigment of the opsin gene family. The encoded protein is called red cone photopigment or long-wavelength sensitive opsin. Opsins are G-protein coupled receptors with seven transmembrane domains, an N-terminal extracellular domain, and a C-terminal cytoplasmic domain. This gene and the medium-wavelength opsin gene are tandemly arrayed on the X chromosome and frequent unequal recombination and gene conversion may occur between these sequences. X chromosomes may have fusions of the medium- and long-wavelength opsin genes or may have more than one copy of these genes. Defects in this gene are the cause of partial, protanopic colorblindness. [provided by RefSeq]