

# Recombinant Full Length Human Kappa-Type Opioid Receptor(Oprk1) Protein, His-Tagged

**Cat. No.** RFL1032HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Full Length Human Kappa-type opioid receptor(OPRK1) Protein (P41145) (1-380aa), fused to N-terminal His tag, was expressed in E. coli.                                                                                                                                                                                                                                                                                            |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>ProteinLength</b>    | Full Length (1-380)                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Form</b>             | Lyophilized powder                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>AA Sequence</b>      | <p>MDSPIQIFRGEPGPTCAPSACLPPNSSAWFPGWAEPDSNGSAGSEDAQLEPAHISP<br/> AIPV IITAVYSVVVFVGLVGNSLVMFVIIRYTKMKTATNIYIFNLALADALVTTTTPFQS<br/> TVYL MNSWPFGDVLCKIVISIDYYNMFTSIFTLTMMMSVDRIYAVCHPVKALDFRTPLK<br/> AKIINI CIWLLSSSVGISAIVLGGTKVREDVDVIECSLQFPDDDYSWWDLFMKICVFIFA<br/> FVIPVL IIIVCYTLMILRLKSVRLLSGSREKDRNLRRITRLVLVVAVFVVCWTPIHIFILV<br/> EALG STSHSTAALSSYYFCIALGYTNSSLNPILYAFLDENFKRCFRDFCFPLKMRME<br/> RQSTSRV RNTVQDPAYLRDIDGMNKPV</p> |
| <b>Purity</b>           | Greater than 90% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Applications</b>     | SDS-PAGE                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Notes</b>            | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C                                                                                                                                                                                                                                                                                                                                                               |

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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**

OPRK1

**Synonyms**

OPRK1; OPRK; Kappa-type opioid receptor; K-OR-1; KOR-1

**UniProt ID**

[P41145](#)

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