

PRODUCT INFORMATION

Target OPRD1

DOP; DOR; DOR1; OPRD **Synonyms**

Recombinant human OPRD1 Protein with C-**Description**

terminal human Fc tag

Delivery In Stock **Uniprot ID** P41143 **Expression Host HEK293**

Tag C-Human Fc tag

Molecular

OPRD1(Met1-Ala47) hFc(Glu99-Ala330) Characterization

The protein has a predicted molecular mass of **Molecular Weight** 30.5 kDa after removal of the signal peptide.

The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue

Purity

staining.

Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before

Formulation & lyophilization. Please see Certificate of Analysis Reconstitution

for specific instructions of reconstitution. Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not

intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Storage & Shipping

Lyophilized proteins are shipped at ambient

temperature.

Enables G protein-coupled enkephalin receptor activity. Involved in several processes, including G protein-coupled opioid receptor signaling pathway; cellular response to hypoxia; and regulation of mitochondrial membrane potential.

Background Located in plasma membrane. Implicated in alcohol dependence; alcohol use disorder; drug

dependence (multiple); opioid abuse; and withdrawal disorder. Biomarker of opioid abuse. [provided by Alliance of Genome Resources, Jun

2025]

Usage Research use only

Conjugate Unconjugated









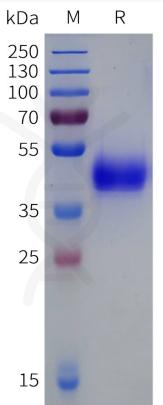


Figure 1. Human OPRD1 Protein, hFc Tag on SDS-PAGE under reducing condition.



