

**HDFP294**

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## Product Information

<b>Product SKU:</b>	HDFP294	<b>Expression Host:</b>	HEK293	<b>Size:</b>	10µg
<b>Target:</b>	GPR31	<b>Tag:</b>	C-Flag Tag		

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## Additional Information

<b>Conjugate:</b>	Unconjugated	<b>Uniprot ID:</b>	O00270
<b>Molecular Weight:</b>	The human full length GPR31 protein has a MW of 35.1kDa		

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## Protein Information

<b>Background:</b>	High-affinity receptor for 12-(S)-hydroxy-5,8,10,14-eicosatetraenoic acid (12-S-HETE). 12-(S)-HETE is an arachidonic acid metabolite secreted by platelets and tumor cells, and known to induce endothelial cells retraction allowing invasive cell access to the subendothelial matrix, which is a critical step for extravasation or metastasis. Ligand-binding lead to activation of ERK1/2 (MAPK3/MAPK1), MEK, and NF-kappa-B.[UniProtKB/Swiss-Prot Function]
<b>Synonyms:</b>	12-HETER, HETER, HETER1
<b>Protein Description:</b>	Human GPR31 full length protein-synthetic nanodisc
<b>Formulation:</b>	Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions. Do not use solvents with a pH below 6.5 or those containing high concentrations of divalent metal ions (greater than 5 mM) in subsequent experiments.
<b>Protein Pathways:</b>	GPCRDB Class A Rhodopsin-like, Chemokines, Chemokine and Receptor.
<b>Protein Families:</b>	GPCR, Transmembrane, Druggable Genome.
<b>Usage:</b>	Research use only

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**Storage & Shipping:** 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). Lyophilized proteins are shipped at ambient temperature.

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