

Recombinant Human HCAR1 Protein, His-tagged

Cat. No. HCAR1-2232H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human HCAR1 Protein (Ser250-His346) with a N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Ser250-His346
Description	G protein-coupled receptors (GPCRs, or GPRs), such as GPR81, contain 7 transmembrane domains and transduce extracellular signals through heterotrimeric G proteins.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 14.7 kDa Accurate Molecular Mass: 15 kDa
Endotoxin	<1.0 EU per 1g (determined by the LAL method).
Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by

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accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

Storage

Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.

Storage Buffer

PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.

Reconstitution

Reconstitute in PBS or others.

GENE INFORMATION

Gene Name

HCAR1 hydroxycarboxylic acid receptor 1 [Homo sapiens (human)]

Official Symbol

HCAR1

Synonyms

HCAR1; hydroxycarboxylic acid receptor 1; G protein coupled receptor 81, G protein coupled receptor 104, GPR81, GPR104; FKSG80; HCA1; LACR1; lactate receptor 1; TA GPCR; G protein-coupled receptor 81; G-protein coupled receptor 81; G protein-coupled receptor 104; G-protein coupled receptor 104; hydroxy-carboxylic acid receptor 1; T-cell activation G protein-coupled receptor; GPR81; GPR104; TA-GPCR;

Gene ID

27198

mRNA Refseq

NM_032554

Protein Refseq

NP_115943

MIM

606923

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UniProt ID

Q9BXC0

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