

## Recombinant Human GPR78 Protein, His&GST-tagged

Cat. No. GPR78-1583H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human GPR78 Protein (Val271-His363) with N-His&GST tag was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	Val271-His363
<b>Description</b>	The protein encoded by this gene belongs to the G protein-coupled receptor family, which contain 7 transmembrane domains and transduce extracellular signals through heterotrimeric G proteins. This is an orphan receptor, which displays significant level of constitutive activity. Association analysis shows preliminary evidence for the involvement of this gene in susceptibility to bipolar affective disorder and schizophrenia. Alternatively spliced transcript variants have been found for this gene.
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 40.4 kDa Accurate Molecular Mass: 42 kDa
<b>Purity</b>	> 90%
<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB.

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<b>Stability</b>	The thermal stability is described by the loss rate. The loss rate was determined by 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.
<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
<b>Storage Buffer</b>	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
<b>Reconstitution</b>	Reconstitute in PBS or others.

## GENE INFORMATION

<b>Gene Name</b>	GPR78 G protein-coupled receptor 78 [ Homo sapiens (human) ]
<b>Official Symbol</b>	GPR78
<b>Synonyms</b>	GPR78; G protein-coupled receptor 78; G-protein coupled receptor 78
<b>Gene ID</b>	27201
<b>mRNA Refseq</b>	NM_080819
<b>Protein Refseq</b>	NP_543009
<b>MIM</b>	606921
<b>UniProt ID</b>	Q96P69

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