

Recombinant Human CCKBR protein, GST-tagged

Cat. No. CCKBR-24H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CCKBR(1 a.a. - 100 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ.
Species	Human
Source	Wheat Germ
ProteinLength	1-100 a.a.
Description	This gene encodes a G-protein coupled receptor for gastrin and cholecystokinin (CCK), regulatory peptides of the brain and gastrointestinal tract. This protein is a type B gastrin receptor, which has a high affinity for both sulfated and nonsulfated CCKanalogs and is found principally in the central nervous system and the gastrointestinal tract. A misspliced transcript variant including an intron has been observed in cells from colorectal and pancreatic tumors.
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	36.63 kDa
Applications	Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; Protein Array
Notes	Best use within three months from the date of receipt of this protein.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name CCKBR cholecystokinin B receptor [Homo sapiens]

Official Symbol CCKBR

Synonyms CCKBR; cholecystokinin B receptor; gastrin/cholecystokinin type B receptor; CCK-BR; CCK2-R; CCK2 receptor; CCK-B receptor; gastrin receptor; cholecystokinin-2 receptor; GASR; CCK-B; CCK2R;

Gene ID 887

mRNA Refseq NM_176875

Protein Refseq NP_795344

MIM 118445

UniProt ID P32239

Chromosome Location 11p15.4

Pathway Calcium signaling pathway, organism-specific biosystem; Calcium signaling pathway, conserved biosystem; Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; G alpha (q) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem; GPCR ligand binding, organism-specific biosystem; GPCRs, Class A Rhodopsin-like, organism-specific biosystem;

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Function

1-phosphatidylinositol-3-kinase regulator activity; G-protein coupled receptor activity; cholecystokinin receptor activity; gastrin receptor activity; phosphatidylinositol phospholipase C activity; receptor activity; signal transducer activity; type B gastrin/cholecystokinin receptor binding;

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