

Recombinant Human CCKBR protein, GST-tagged

Cat. No. CCKBR-26H **Lot. No.** (See product label)

SPECIFICATION

| | |
|-------------------------|---|
| Product Overview | Recombinant Human CCKBR(215 a.a. - 327 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ. |
| Species | Human |
| Source | Wheat Germ |
| ProteinLength | 215-327 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 | 38.06 kDa |
| AA Sequence | RQTWSVLLLLLLLLFFIPGVVMAVAYGLISRELYLGLRFDGSDSDSQSRVRNQGGLPG AVHQNGRCRPETGAVGED SDGCYVQLPRSRPALELTALTAPGPGSGSRPTQAKLL A |
| Applications | Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); |

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Antibody Production; Protein Array

Notes Best use within three months from the date of receipt of this protein.

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

GENE INFORMATION

Gene Name [CCKBR cholecystinin B receptor \[Homo sapiens \]](#)

Official Symbol [CCKBR](#)

Synonyms CCKBR; cholecystinin B receptor; gastrin/cholecystinin type B receptor; CCK-BR; CCK2-R; CCK2 receptor; CCK-B receptor; gastrin receptor; cholecystinin-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

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downstream signaling, organism-specific biosystem; GPCR ligand binding, organism-specific biosystem; GPCRs, Class A Rhodopsin-like, organism-specific biosystem;

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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