GST-tagged human cannabinoid CB1 receptor (amino acids 414 to 442)

Catalogue number: 161589
Sub-type: GST fusion protein
Images:

Contributor

Inventor: Gontzal García del Caño
Institute: University of the Basque Country
Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: GST-tagged human cannabinoid CB1 receptor (amino acids 414 to 442)

Alternate name:

Class:
Conjugate:
Description: Polypeptide spanning amino acids 414 to 442 (CB1414–442) of the cytosolic tail of the human cannaboinoid CB1 receptor fused to the C-terminus of the glutathione S-transferase (GST) tag. The linker between the GST tag and the CB1414–442 polyopeptide posses the consensus cleavage site LeuPheGlnGlyPro for the PreScission protease for removing the GST tag after purification.
Purpose:
Parental cell:
Organism:
Tissue:
Model:
Gender:
Isotype:
Reactivity:
Selectivity:
Host:
Immunogen:
Immunogen UNIPROT ID:
Sequence: Saumell-Esnaola M et al. 2022. Microb Cell Fact. 21(1):192. PMID: 36109736.
Growth properties:
Production details:
Formulation:

Recommended controls:
Bacterial resistance:
Selectable markers:
Additional notes: Contact the inventor for further information.

Target details

Target:

Target alternate names:

Target background:

Molecular weight: 29710.86 Da

Ic50:

Applications

Application: Negative control for quantitative Western blot to determine CB1 receptor density in biological samples using antibodies raised against peptides within the sequence spanning amino acids 443-472 at the C-terminus of the CB1 receptor. Negative control in protein-protein interaction assays (e.g., GST pull-down surface plasmon resonance) involving proteins interacting with the CB1 receptor at the sequence spanning amino acids 414-472 of the C-terminal end of the CB1 receptor.
Application notes: Negative control for quantitative Western blot to determine CB1 receptor density in biological samples using antibodies raised against peptides within the sequence spanning amino acids 443-472 at the C-terminus of the CB1 receptor. Negative control in protein-protein interaction assays (e.g., GST pull-down surface plasmon resonance) involving proteins interacting with the CB1 receptor at the sequence spanning amino acids 414-472 of the C-terminal end of the CB1 receptor.

Handling

Format: Solution
Concentration:
Passage number:
Growth medium:
Temperature:
Atmosphere:
Volume:
Storage medium:
Storage buffer: 126 mM Tris-HCl, 150 mM NaCl, 1 mM DTT, 1 mM EDTA, pH 7.4Contains 50 mM reduced glutathione which may need to be removed (e.g. by dialysis) for certain assays.
Storage conditions: -80° C
Shipping conditions: Frozen in dry ice

Related tools

Related tools:

References

References: Gómez-Caballero et al. 2021. Mikrochim Acta. 188(11):368. PMID: 34618242.