abcam

Product datasheet

Recombinant Human Cannabinoid Receptor II protein ab114225

1 Image

Description

Product name	Recombinant Human Cannabinoid Receptor II protein
Expression system	Wheat germ
Accession	P34972
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MEECWVTEIANGSKDGLDSNPMKDYMILSGPQKTAVAVL CTLLGLLSALE NVAVLYLILSSHQLRRKPSYLFIGSLAGADFLASVVFACSF VNFHVFHGV DSKAVFLLKIGSVTMTFTASVGSLLLTAIDRYLCLRYPPSYK ALLTRGRA LVTLGIMWVLSALVSYLPLMGWTCCPRPCSELFPLIPNDY LLSWLLFIAF LFSGIIYTYGHVLWKAHQHVASLSGHQDRQVPGMARMRL DVRLAKTLGLV LAVLLICWFPVLALMAHSLATTLSDQVKKAFAFCSMLCLIN SMVNPVIYA LRSGEIRSSAHHCLAHWKKCVRGLGSEAKEEAPRSSVTE TEADGKITPWP DSRDLDLSDC
Predicted molecular weight	66 kDa including tags
Amino acids	1 to 360

Specifications

Our Abpromise guarantee covers the use of **ab114225** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	Western blot
	ELISA
	SDS-PAGE

Form	Liquid

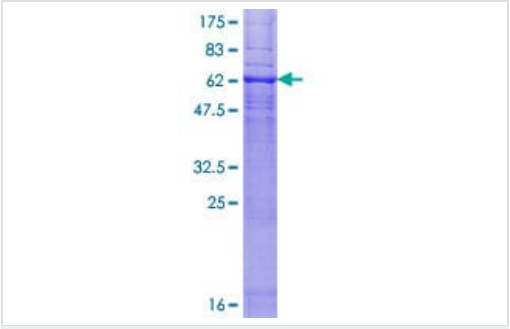
Preparation and Storage

Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80ºC. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 0.3% Glutathione, 0.79% Tris HCl

General Info

Function	Heterotrimeric G protein-coupled receptor for endocannabinoid 2-arachidonoylglycerol mediating inhibition of adenylate cyclase. May function in inflammatory response, nociceptive transmission and bone homeostasis.
Tissue specificity	Preferentially expressed in cells of the immune system with higher expression in B cells and NK cells (at protein level). Expressed in skin in suprabasal layers and hair follicles (at protein level). Highly expressed in tonsil and to a lower extent in spleen, peripheral blood mononuclear cells, and thymus. PubMed:14657172 could not detect expression in normal brain. Expressed in brain by perivascular microglial cells and dorsal root glanglion sensory neurons (at protein level).
Sequence similarities	Belongs to the G-protein coupled receptor 1 family.
Post-translational modifications	Constitutively phosphorylated on Ser-352; phosphorylation increases cell internalization and desensitizes the receptor.
Cellular localization	Cell membrane. Cell projection > dendrite. Perikaryon. Localizes to apical dendrite of pyramidal neurons.

Images



SDS-PAGE - Recombinant Human Cannabinoid Receptor II protein (ab114225)

ab114225 analysed on a 12.5% SDS-PAGE gel stained with Coomassie Blue.

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