

## Recombinant human Bile acid receptor

Catalog No: #AP71431



Package Size: #AP71431-1 20ug #AP71431-2 100ug #AP71431-3 1mg

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## Description

Product Name	Recombinant human Bile acid receptor
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-476aaSequence Info:Full Length of Isoform 3
Other Names	Farnesoid X-activated receptorFarnesol receptor HRR-1Nuclear receptor subfamily 1 group H member 4Retinoid X receptor-interacting protein 14 ;RXR-interacting protein 14
Accession No.	Q96R11
Uniprot	Q96R11
GeneID	9971;
Calculated MW	70.7 kDa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	MVMQFQGLENPIQISPHCSCTPSGFFMEMMSMKPAKGVLTEQVAGPLGQNLEVEPYSQYSNVQFPQVQPQI SSSSYYSNLGFYPQQPEEWYSPGIYELRRMPAETLYQGGETEVAEMPVTKKPRMGASAGRIKGDDELCCVCGD RASGYHYNALTCEGCKGFFRRSITKNAVYKCKNGGNCVMDMYMRRKCQECRLRCKKEMGMLAECMYTGLL TEIQCKSKRLRKNVKQHADQTVNEDSEGRDLRQVTSTTKSCREKTELTPDQQTLLHFIMDSYNQRMPQEITN KILKEEFSAEENFLILTEMATNHVQVLVEFTKLPGFQTLDHEDQIALLKGSVEAMFLRSAEIFNKKLP SGHS LLEERIRNSGISDEYITPMFSFYKSIGELKMTQEEYALLTAIVILSPDRQYIKDREAVEKLEPLLDVQLKLCIKHQ PENPQHFACLLGRLELRTFNHHHAEMLSWRVNDHKFT
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.  Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

## Background

Ligand-activated transcription factor. Receptor for bile acids such as chenodeoxycholic acid, lithocholic acid and deoxycholic acid. Represses the transcription of the cholesterol 7-alpha-hydroxylase gene (CYP7A1) through the induction of NROB2 or FGF19 expression, via two distinct mechanisms. Activates the intestinal bile acid-binding protein (IBABP). Activates the transcription of bile salt export pump ABCB11 by directly recruiting histone methyltransferase CARM1 to this locus

## References

The finished DNA sequence of human chromosome 12.Scherer S.E., Muzny D.M., Buhay C.J., Chen R., Cree A., Ding Y., Dugan-Rocha S., Gill R., Gunaratne P., Harris R.A., Hawes A.C., Hernandez J., Hodgson A.V., Hume J., Jackson A., Khan Z.M., Kovar-Smith C., Lewis L.R. , Lozado R.J., Metzker M.L., Milosavljevic A., Miner G.R., Montgomery K.T., Morgan M.B., Nazareth L.V., Scott G., Sodergren E., Song X.-Z., Steffen D., Lovering R.C., Wheeler D.A., Worley K.C., Yuan Y., Zhang Z., Adams C.Q., Ansari-Lari M.A., Aylee M., Brown M.J., Chen G., Chen Z., Clerc-Blankenburg K.P.,

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Note: This product is for in vitro research use only