

Datasheet for ABIN7559096
GPR81 Protein (AA 1-343) (His tag)



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Overview

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|-------------------------------|----------------------------------------------|
| Quantity: | 1 mg |
| Target: | GPR81 |
| Protein Characteristics: | AA 1-343 |
| Origin: | Mouse |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This GPR81 protein is labelled with His tag. |

Product Details

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| Purpose: | Custom-made recombinant Hcar1 Protein expressed in mammalian cells. |
| Sequence: | MDNGSCCLIE GEPISQVMPP LLILVFLGA LGNGIALCGF CFHMKTWKSS TIYLFNLAVA DFLLMICLPL RTDYLLRRRH WIFGDIACRL VLFKLAMNRA GSIVFLTVA VDRYFKVVHP HHMVNAISNR TAAATACVLW TLVILGTVYL LMESHLCVQG TLSSCESFIM ESANGWHDVM FQLEFFLPLT IILFCSVNVV WSLRRRQQLT RQARMRRATR FIMVVASVFI TCYLPSVLAR LYFLWTVPTS ACDPSVHTAL HVTLSFTYLN SMLDPLVYYF SSPSLPKFYT KLTICSLKPK RPGRTKTRRS EEMPISNLCS KSSIDGANRS QRPSDGQWDL QVC Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us. |
| Specificity: | If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer. |
| Characteristics: | Key Benefits: |

Product Details

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

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| Purity: | > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC) |
| Grade: | custom-made |

Target Details

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|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target: | GPR81 |
| Alternative Name: | Hcar1 (GPR81 Products) |
| Background: | Hydroxycarboxylic acid receptor 1 (G-protein coupled receptor 81),FUNCTION: Acts as a receptor for L-lactate and mediates its anti-lipolytic effect through a G(i)-protein-mediated pathway. {ECO:0000269 PubMed:18174606, ECO:0000269 PubMed:19047060}. |
| Molecular Weight: | 38.9 kDa |
| UniProt: | Q8C131 |

Application Details

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| Application Notes: | We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though. |
| Restrictions: | For Research Use only |

Handling

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| Format: | Liquid |
| Buffer: | The buffer composition is at the discretion of the manufacturer. |
| Handling Advice: | Avoid repeated freeze-thaw cycles. |
| Storage: | -80 °C |
| Storage Comment: | Store at -80°C. |
| Expiry Date: | 12 months |