

Datasheet for ABIN7549953

NPFFR2 Protein (AA 1-522) (His tag)



[Go to Product page](#)

Overview

| | |
|-------------------------------|---|
| Quantity: | 1 mg |
| Target: | NPFFR2 (NPFF2) |
| Protein Characteristics: | AA 1-522 |
| Origin: | Human |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This NPFFR2 protein is labelled with His tag. |
| Application: | SDS-PAGE (SDS), Western Blotting (WB) |

Product Details

| | |
|-----------|---|
| Purpose: | Custom-made recombinat NPFFR2 Protein expressed in mammalian cells. |
| Sequence: | <p>MNSFFGTPAA SWCLLESDVS SAPDKEAGRE RRALSVQQRG GPAWSGSLEW SRQSAGDRRR</p> <p>LGLSRQTAKS SWSRSRDRTC CCRRWWILV PAADRARRER FIMNEKWDN SSENWHPIWN</p> <p>VNDTKHHLYS DINITYVNY LHPQVAAIF IISYFLIFFL CMMGNTVVCF IVMRNKHMHHT</p> <p>VTNLFILNLA ISDLLVGIFC MPITLLDNII AGWPFNGTMC KISGLVQGIS VAASVFTLVA</p> <p>IAVDRFQCVV YPFKPKLTIK TAFVIIMIIW VLAITIMSPS AVMLHVQEEK YYRVRLNSQN</p> <p>KTSPVYWCRE DWPNQEMRKI YTTVLFIANY LAPLSLIVIM YGRIGISLFR AAVPHTGRKN</p> <p>QEQWHVSRK KQKIKMLLI VALLFILSWL PLWTLMMMLSD YADLSPNELQ IINIIYPFA</p> <p>HWLAFGNSSV NPIYGGFFNE NFRRGFQEAF QLQLCQKRAK PMEAYALKAK SHVLINTSNQ</p> <p>LVQESTFQNP HGETLLYRKS AEKPQQLVM EELKETTNS EI</p> <p>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</p> |

request, please contact us.

Characteristics:

Key Benefits:

- 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.

Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

Grade:

custom-made

Target Details

Target:

NPFFR2 (NPFF2)

Alternative Name:

NPFFR2 ([NPFF2 Products](#))

Background:

Neuropeptide FF receptor 2 (G-protein coupled receptor 74) (G-protein coupled receptor HLWAR77) (Neuropeptide G-protein coupled receptor),FUNCTION: Receptor for NPAF (A-18-F-amide) and NPFF (F-8-F-amide) neuropeptides, also known as morphine-modulating peptides. Can also be activated by a variety of naturally occurring or synthetic FMRF-amide like ligands. This receptor mediates its action by association with G proteins that activate a phosphatidylinositol-calcium second messenger system.

Molecular Weight:

60.3 kDa

UniProt:

[Q9Y5X5](#)

Pathways:

[cAMP Metabolic Process](#)

Application Details

| | |
|--------------------|--|
| Application Notes: | In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though. |
|--------------------|--|

| | |
|---------------|-----------------------|
| Restrictions: | For Research Use only |
|---------------|-----------------------|

Handling

| | |
|------------------|--|
| 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 |