

Datasheet for ABIN7562418
NMBR Protein (AA 1-390) (His tag)



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Overview

Quantity:	1 mg
Target:	NMBR
Protein Characteristics:	AA 1-390
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NMBR protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Nmbr Protein expressed in mammalian cells.
Sequence:	MPPRSLSNLS FPTEANESEL VPEVWEKDFL PDSGTTAEL VIRCVIPSLY LIIISVGLLG NIMLVKIFLT NSAMRNPNI FISNLAAGDL LLLLTCVPVD ASRYFFDEWV FGKLGCKLIP AIQLTSVGVS VFTLTALSAD RYRAIVNPMD MQTSGVLLWT SLKAVGIWV SVLLAVPEAV FSEVARIGSL DNSSFTACIP YPQTDELHPK IHSVLIFLVY FLIPLVIISI YYYHIAKTLI KSAHNLPGEY NEHTKKQMET RKRLAKIVLV FVGCFVFCWF PNHVLYLYRS FNYKEIDPSL GHMIVTLVAR VLSFSNSCVN PFALYLLSES FRKHFNSQLC CGRKSYPERS TSYLLSSSAV RMTSLKSNTK NVVTNSVLLN GHSTKQEIAL 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.

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

Target:	NMBR
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Alternative Name:	Nmbr (NMBR Products)
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Background:	<p>Neuromedin-B receptor (NMB-R) (Neuromedin-B-preferring bombesin receptor),FUNCTION: Receptor for neuromedin-B (By similarity). Contributes to the maintenance of basal sigh rate through signaling in the pre-Botzinger complex, a cluster of several thousand neurons in the ventrolateral medulla responsible for inspiration during respiratory activity (PubMed:26855425). Contributes to the induction of sneezing following exposure to chemical irritants or allergens which causes release of NMB by nasal sensory neurons and activation of NMBR-expressing neurons in the sneeze-evoking region of the brainstem (PubMed:34133943). These in turn activate neurons of the caudal ventral respiratory group, giving rise to the sneezing response (PubMed:34133943). Contributes to induction of acute itch, possibly through its activation on dorsal root ganglion neurons by the NMB peptide (PubMed:30734045). Plays a role in the innate immune response to influenza A virus infection by enhancing interferon alpha expression and reducing expression of IL6 (PubMed:31601264). Plays a role in CSF1-induced proliferation of osteoclast precursors by contributing to the positive regulation of the expression of the CSF1 receptor CSF1R (PubMed:28780306). {ECO:0000250 UniProtKB:P24053,</p>
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Target Details

ECO:0000269|PubMed:26855425, ECO:0000269|PubMed:28780306,
ECO:0000269|PubMed:30734045, ECO:0000269|PubMed:31601264,
ECO:0000269|PubMed:34133943}.

Molecular Weight: 43.6 kDa

UniProt: [O54799](#)

Application Details

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

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