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DATASHEET

Recombinant human Neurturin / NRTN protein

Product overview

Name	Recombinant human Neurturin / NRTN protein
Cat No	HB9447
Species of origin	human
Alternative names	Recombinant Human Neurturin, Neurturin.
Purity	>96%
Description	GDNF-related trophic factor

Biological Data

Application notes	Fully biologically active when compared to standard. The biologically active as determined by its binding ability in a functional ELISA.

Solubility & Handling

Solubility overview	To make a stock solution, reconstitute in sterile 18MΩcm water at a concentration > 0.5mg/ml, which can then be diluted to make a working solution
Handling	• Solutions should be made in sterile deionized water (not less than 100 µg/ml). This solution can then be further diluted with other aqueous solutions. • Following reconstitution, solutions may be stored at 4°C and are useable for around 2-7 days and for future use store at -18°C. • For long term storage, a carrier protein (0.1% HSA or BSA) should be added to stock solutions. Solutions should be aliquoted into tightly sealed vials for storage at -20°C. Freeze-thaw cycles should be prevented.
Shipping Conditions	Stable for ambient temperature shipping. Follow storage instructions on receipt.
Important	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use

Chemical Data

UniProt ID	Q99748
Source	E. Coli.
Appearance	White lyophilized powder (sterile filtered & freeze-dried)
Formulation	Lyophilized from a 0.2 µm filtered solution containing sodium citrate (30 mM, pH 4.2), NaCl (0.4M) and 0.02 % Tween-20

References

Neurturin and glial cell line-derived neurotrophic factor receptor-beta (GDNFR-beta), novel proteins related to GDNF and GDNFR-alpha with specific cellular patterns of expression suggesting roles in the developing and adult nervous system and in periphera

Widenfalk J *et al* (1997) J Neurosci 17(21)
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Role of neurturin in spontaneous itch and increased nonpeptidergic intraepidermal fiber density in a mouse model of psoriasis

Sakai K *et al* (2017) Pain 158(11)
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Neurturin shares receptors and signal transduction pathways with glial cell line-derived neurotrophic factor in sympathetic neurons

Creedon DJ *et al* (1997) Proc Natl Acad Sci U S A 94(13)
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