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DATASHEET

Recombinant human Neurogranin / NRGN protein

Product overview

Name	Recombinant human Neurogranin / NRGN protein
Cat No	HB8383
Biological description	Postsynaptic protein that is a cerebrospinal fluid (CSF) biomarker for Alzheimer's disease.
Species of origin	human
Alternative names	Recombinant Human Neurogranin?, hng, RC3, Neurogranin, Ng, NRGN.
Purity	>90%
Description	Postsynaptic protein

Solubility & Handling

Storage instructions	+4°C 2-4 weeks (long term see website)
Handling	<ul style="list-style-type: none">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.
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	Q92686
Concentration	0.5mg/mL
Molecular Weight	10
Sequence (one letter)	MGSSHHHHHSSGLVPRGSHMGSMDCCTENACSKPDDILDIPLDDPGANAAAAKIQASF RGHMARKKIKSGERGRKGPGPGGPGGAGVA RGGAGGGPSGD
Source	E. Coli.
Appearance	Colourless solution (sterile filtered)
Formulation	Solution (0.5mg/ml) containing Tris-HCl buffer (20mM, pH7.0), 30% glycerol PMSF (0.1mM) and EDTA (1mM)

References

The intact postsynaptic protein neurogranin is reduced in brain tissue from patients with familial and sporadic Alzheimer's disease

Kvartsberg H *et al* (2019) Acta Neuropathol 137(1)

PubMedID [30244311](#)

Neurogranin in cerebrospinal fluid as a marker of synaptic degeneration in Alzheimer's disease

Thorsell A *et al* (2010) Brain Res 1362

PubMedID [20875798](#)

Neurogranin, a synaptic protein, is associated with memory independent of Alzheimer biomarkers

Casaletto KB *et al* (2017) Neurology 89(17)

PubMedID

[28939668](#)
