

Recombinant Human RAB3B, T7-tagged

Cat. No. RAB3B-2976H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human RAB3B (1-219 aa) is expressed in E.Coli with a T7 tag at N-terminus.
Species	Human
Source	E.coli
ProteinLength	1-219 a.a.
Description	In Parkinson"s disease (PD), dopaminergic (DA) neurons in the substantia nigra (SN, A9) are particularly vulnerable, compared to adjacent DA neurons within the ventral tegmental area (VTA, A10). Here, we show that in rat and human, one RAB3 isoform, RAB3B, has higher expression levels in A10 compared to A9 neurons. RAB3 is a monomeric GTPase protein that is highly enriched in synaptic vesicles and is involved in synaptic vesicle trafficking and synaptic transmission, disturbances of which have been implicated in several neurodegenerative diseases, including PD.
MW	24758 Da.
Purity	95%.
Formulation	10 mM Tris. pH 8.0. 0.1% Triton X-100.0.002% NaN3.
Application	MS. SDS.

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GENE INFORMATION

Gene Name	RAB3B RAB3B, member RAS oncogene family [Homo sapiens]
Synonyms	RAB3B; RAB3B, member RAS oncogene family; brain antigen RAB3B; ras-related protein Rab-3B; RAB3B, member RAS oncogene family
Gene ID	5865
mRNA Refseq	NM_002867
Protein Refseq	NP_002858
MIM	179510
UniProt ID	P20337
Chromosome Location	1p32-p31
Pathway	Tight junction
Function	GTP binding; GTPase activity; nucleotide binding; protein binding

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