OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for BA1012S

Neurofilament L (68kDa)

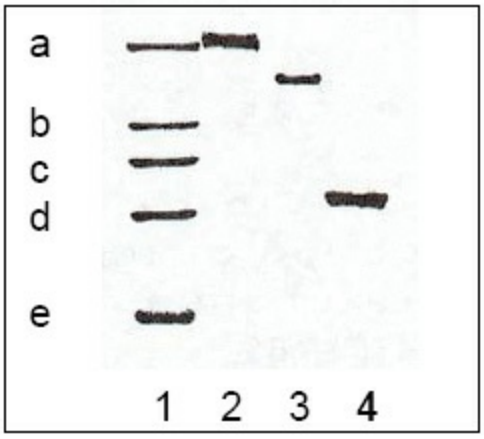
Product data:

Product Type:	Native Proteins
Description:	Neurofilament L (68kDa) bovine protein, 0.1 mg
Species:	Bovine
Protein Source:	Spinal Cord
Expression cDNA Clone or AA Sequence:	sourced from bovine spinal cord
Predicted MW:	68 kDa
Concentration:	lot specific
Purity:	>98% (determined by SDS gelelectrophoresis).
Buffer:	Presentation State: Purified State: Lyophilized. Reconstitution: Restore with 80 µl distilled water (final volume 100 µl). Final solution: 10 mM Sodium Phosphate, pH 7.5, 2 mM DTT, 6M Urea, 10 mM Methylammonium Chloride, 1 mM EDTA
Preparation:	Lyophilized
Applications:	Protein standard in 1D and 2D SDS gelelectrophoresis. Immunoassays. Immunization.
Protein Description:	Standart Bovine Neurofilament 68 kD. Isoelectric Point: pI 5.0
Storage:	Store at 2-8°C (lyophilized) or at -20°C (reconstituted). Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.

View online »

Summary: Neurofilaments are the 10nm or intermediate filament proteins found specifically in neurons, and are composed predominantly of three major proteins called NF L, NF M and NF H. NF L is the neurofilament light or low molecular weight polypeptide and runs on SDS-PAGE gels at about 68kDa. Neurofilaments constitute the main structural elements of neuronal axons and dendrites. Neurofilaments are composed of three major subunits referred to as the neurofilament triplet, with molecular weights of 68kD, 160kD and 200kD. Neurofilament subunits are present in neurons, neuronal processes, peripheral nerves and sympathetic ganglion cells.

Product images:



Lane 1 shows myosin (a), beta-galactosidase (b), phosphorylase B (c), BSA (d) and ovalbumin (e) as markers
Lane 2 shows Cat.No. [BA1014]/[BA1014S] Neurofilament H (200 kD)
Lane 3 shows Cat.No. [BA1013]/[BA1013S] Neurofilament M (160 kD)
Lane 4 shows Cat.No. [BA1012]/BA1012S Neurofilament L (68kDa)