

Product datasheet for BA1013S

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Neurofilament M (160 kD) Bovine Protein

Product data:

Product Type: Native Proteins

Description: Neurofilament M (160 kD) bovine protein, 0.1 mg

Species: Bovine

Protein Source: Spinal Cord

Predicted MW: 160 kDa

Concentration: lot specific

Purity: >98% (determined by SDS gelelectrophoresis)

Buffer: Presentation State: Purified

State: Lyophilized

Reconstitution Method: BA1013S: Restore with 80 μl distilled water (final volume 100 μl).

Final solution: 10mM Sodium Phosphate, pH 7.5, 2mM 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: Bovine Neurofilament 160 kDa

Note: Isoelectric Point: pl 5.1

Storage: Store at 2-8°C (lyophilized) and at -20°C (reconstituted).

Avoid repeated freezing and thawing.

Stability: Shelf life: one year from despatch.

RefSeg: NP 001099011

Locus ID: 4741

Cytogenetics: 8p21.2

Synonyms: Neurofilament medium polypeptide, NF-M, NEF3, NEFM, Neurofilament 3, (Neuronal Marker)



Summary: Neurofilaments are type IV intermediate filament heteropolymers composed of light,

> medium, and heavy chains. Neurofilaments comprise the axoskeleton and functionally maintain neuronal caliber. They may also play a role in intracellular transport to axons and dendrites. This gene encodes the medium neurofilament protein. This protein is commonly used as a biomarker of neuronal damage. Alternative splicing results in multiple transcript

variants encoding distinct isoforms. [provided by RefSeq, Oct 2008]

Protein Families: Protein standard in 1D and 2D SDS gelelectrophoresis.

> Immunoassays. Immunization.

Protein Pathways: Amyotrophic lateral sclerosis (ALS)

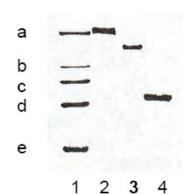
Product images:

1. myosin (a) ß-galactosidase (b) phosphorylase B (c) BSA (d) ovalbumin (e)

2. Mr 200 kD Neurofilament

3. Mr 160 kD Neurofilament

4. Mr 68 kD Neurofilament



Lane 1 shows myosin (a), beta-galactosidase (b), phosphorylase B (c), BSA (d) and ovalbumin (e) as

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)