

## **Product datasheet for BA1013**

## Neurofilament M (160 kD) Bovine Protein

**Product data:** 

**Product Type: Native Proteins** 

**Description:** Neurofilament M (160 kD) bovine protein, 0.25 mg

Species: **Bovine** 

**Protein Source:** Spinal Cord

Predicted MW: 160 kDa **Concentration:** 

lot specific

>98% (determined by SDS gelelectrophoresis) **Purity:** 

**Buffer:** Presentation State: Purified

State: Lyophilized

**Reconstitution Method:** BA1013: Restore with 200 μl distilled water (final volume 250 μl).

BA1013S: Restore with 80  $\mu$ l distilled water (final volume 100  $\mu$ l).

Final solution: 10mM Sodium Phosphate, pH 7.5, 2mM DTT, 6M Urea, 1 mM EDTA.

Preparation: Lyophilized

**Applications:** Protein standard in 1D and 2D SDS gelelectrophoresis.

> Immunoassays. Immunization.

Bovine Neurofilament 160 kDa **Protein Description:** 

Isoelectric Point: pl 5.1 Note:

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

Avoid repeated freezing and thawing.

Stability: Shelf life: one year from despatch.

NP 001099011 RefSeq:

Locus ID: 4741

Cytogenetics: 8p21.2

Synonyms: NEF3; NF-M; NFM



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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]

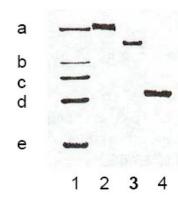
**Protein Pathways:** Amyotrophic lateral sclerosis (ALS)

## **Product images:**

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



- 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 markers
Lane 2 shows Cat.No. [BA1014]/[BA1014S]
Neurofilament H (200 kD)
Lane 3 shows Cat.No. BA1013/[BA1013S]

Lane 4 shows Cat.No. [BA1012]/[BA1012S] Neurofilament L (68kDa)

Neurofilament M (160 kD)