

Neurofilament, Heavy Polypeptide (NEFH) Recombinant Protein | NEFH recombinant protein

Recombinant Neurofilament, Heavy Polypeptide (NEFH)

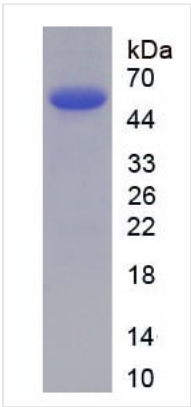
CATALOG # AAA150724	HOST E.coli	REACTIVITY Homo sapiens (Human)	APPLICATIONS Western Blot, SDS-Page
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PRODUCT SYNONYMS

Neurofilament; Heavy Polypeptide (NEFH); Recombinant Neurofilament; Heavy Polypeptide; NFH; 200 kDa neurofilament protein; Neurofilament triplet H protein; NEFH recombinant protein

PRODUCT SPECIFICATIONS

Host	E.coli
Reactivity	Homo sapiens (Human)
Purity/Purification	> 90%
Concentration	Original Concentration: 50ug/mL (varies by lot)
Applicable Applications for NEFH recombinant protein	WB (Western Blot), SDS-PAGE, Immunogen, Positive Control
Source	Prokaryotic expression
Residues	Lys671~Lys1020
Tags	N-terminal His Tag
Subcellular Location	Cytoplasm
Traits	Freeze-dried powder
Predicted isoelectric point	9.3
Phenomenon explanation	The possible reasons that the actual band size differs from the predicted are as follows: 1. Splice variants: Alternative splicing may create different sized proteins from the same gene. 2. Relative charge: The composition of amino acids may affects the charge of the protein. 3. Post-translational modification: Phosphorylation, glycosylation, methylation etc. 4. Post-translation cleavage: Many proteins are synthesized as pro-proteins, and then cleaved to give the active form. 5. Polymerization of the target protein: Dimerization, multimerization etc.
Usage	Reconstitute in ddH2O to a concentration less than or equal to 0.1mg/mL. Do not vortex.
Preparation and Storage	Storage: Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.



Sequence

KAKSPVKAEA	KSPEKAKSPV	KAEAKSPEKA
KSPVKEEAKS	PEKAKSPVKE	EAKSPEKAKS
PVKEEAKTPE	KAKSPVKEEA	KSPVKEEAKS
KAKTLDVKSP	EAKTPAKEEA	RSPADKFPEK
AKSPVKEEVK	SPEKAKSPLK	EDAKAPEKEI
PKKEEVKSPV	KEEEKPQEVK	VKEPPKAAEE
EKAPATPKTE	EKKDSKKEEA	PKKEAPKPKV
EEKKEPAVEK	PKESKVEAKK	EEAEDKKKVP
TPEKEAPAKV	EVKEDAKPKE	KTEVAKKEPD
DAKAKEPSKP	AEKKEAAPEK	KDTKEEKAKK
PEEKPKTEAK	AKEDDKTLSK	EPSKPKAEKA
EKSSSTDQKD	SKPPEKATED	

SDS-PAGE
Figure. SDS-PAGE

ADDITIONAL INFORMATION

Product Categories/Family for NEFH recombinant protein	Neuro science; Recombinant proteins/RP
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NCBI AND UNIPROT INFORMATION

Molecular Weight	Predicted Molecular Mass: 42.3kDa Accurate Molecular Mass: 65kDa as determined by SDS-PAGE reducing conditions.
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For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/neurofilament-heavy-polypeptide-nefh-recombinant-protein-e-coli-wb-western-blot-sds-page-immunogen-positive-control/150724>