


1 References 2 Images

Overview

Product name	Neurokinin A, Tachykinin peptide
Description	Tachykinin peptide
Biological description	Endogenous tachykinin peptide
CAS Number	86933-74-6
Chemical structure	

Properties

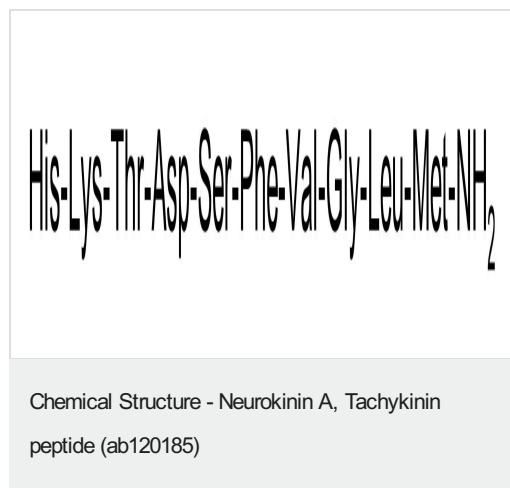
Molecular weight	1133.32
Molecular formula	C ₅₀ H ₈₀ N ₁₄ O ₁₄ S
Sequence	HKTDSFVGLM (Modifications: C-terminal amide)
PubChem identifier	55582
Storage instructions	Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.
Solubility overview	Soluble in water
Handling	<p>Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one week. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.</p> <p>Need more advice on solubility, usage and handling? Please visit our <u>frequently asked questions (FAQ) page</u> for more details.</p>
Source	Synthetic

Applications

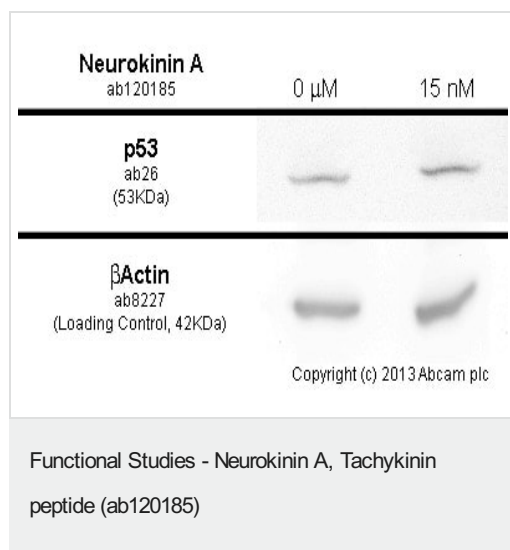
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Application	Abreviews	Notes
Functional Studies		Use at an assay dependent concentration.

Images



2D chemical structure image of ab120185, Neurokinin A, Tachykinin peptide



K562 cells were incubated at 37°C for 4h with vehicle control (0 μM) and 15 nM of neurokinin A (ab120185). Increased expression of p53 ([ab26](#)) correlates with an increase in neurokinin A concentration, as described in literature.

Whole cell lysates were prepared with RIPA buffer (containing protease inhibitors and sodium orthovanadate), 20 μg of each were loaded on the gel and the WB was run under reducing conditions. After transfer the membrane was blocked for an hour using 3% milk before being incubated with [ab26](#) at 5 μg/ml and [ab8227](#) at 1 μg/ml overnight at 4°C. Antibody binding was detected using an anti-mouse antibody conjugated to HRP ([ab97040](#)) at 1/10000 dilution and visualised using ECL development solution.

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