

Rev02
Update: Jun,09,2025

DATASHEET

Tau peptide (275-305) (Repeat2 domain)

Cat. No.: RP30887

Overview

Synonyms	Tau peptide (275-305) (Repeat2 domain)
Description	TAU proteins belong to the microtubule-associated protein (MAP) family and are involved in the pathogenesis of Alzheimer's disease. In the human brain, there are six TAU isoforms ranging from 352 to 441 amino acids in length. These isoforms vary at the carboxyl terminal according to the presence of either three repeat or four repeat domains (R1-R4), in addition to the presence or absence of one or two insert domains at the amino-terminus. Tau Peptide (275-305) is a 31-amino acid long peptide derived from the Repeat 2 domain.
Sequence	{Val}{Gln}{Ile}{Ile}{Asn}{Lys}{Lys}{Leu}{Asp}{Leu}{Ser}{Asn}{Val}{Gln}{Ser}{Lys}{Cys}{Gly}{Ser}{Lys}{Asp}{Asn}{Ile}{Lys}{His}{Val}{Pro}{Gly}{Gly}{Gly}{Ser}
Sequence Shortening	VQIINKKLDLSNVQSKCGSKDNIKHVPGGGS
Molecular Formula	C ₁₃₉ H ₂₃₉ N ₄₃ O ₄₅ S
Molecular Weight	3264.76

Properties

Length	31
Purity	>95%
Solubility	Soluble in dimethyl sulfoxide (Analytical grade) under 1mg/ml
Form	Lyophilized
Storage	Store at -20°C. Keep tightly closed. Store in a cool dry place.

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