

PE-01ANQ95-P

SOD1-Tat (25-37) Peptide Powder

24-mer peptide based on SOD1



KINEXUS

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Target Protein

Name Long:	Superoxide dismutase [Cu-Zn]
Name Alias:	ALS; ALS1; IPOA; SODC; Superoxide dismutase 1, soluble
Species Origin:	Human
UniProt ID:	P00441

Peptide Structure

Peptide Name:	SOD1-Tat (25-37)
Peptide Origin:	Internal sequence in target protein.
Peptide Sequence Location:	E25-K37
Peptide Sequence:	YGRKKRRQRRRESNGPVKVGWSIK
Peptide N-Terminus:	Free amino
Peptide C-Terminus:	Amide
Peptide Modifications Other:	None

Production

Peptide Production Method:	Solid-phase peptide synthesis
Calculated Peptide Mass:	2941.7
% Peptide Purity:	> 95
Peptide Appearance:	White powder
Peptide Form:	Solid
Peptide Solubility:	Dissolve in 50 µl DMSO and dilute to desired concentration with water or aqueous buffer
Lot Number:	USP01BTC
Amount:	1 mg
Storage Conditions:	Frozen at -20°C
Storage Stability:	Over 1 year at -20°C

Applications

Product Use:	Use of SOD1 disease-specific epitopes (DSEs) as a target for vaccines or immunotherapy for these diseases. Tat sequence is used to allow the peptide to be transported into cells.
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This product is for in vitro research use only and is not intended for use in humans or animals.

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