

# PE-01APE90-P

## SOD1-Tat (22-28) Peptide Powder

18-mer peptide based on SOD1



# KINEXUS

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### Target Protein

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

### Peptide Structure

<b>Peptide Name:</b>	SOD1-Tat (22-28)
<b>Peptide Origin:</b>	Internal sequence in target protein.
<b>Peptide Sequence Location:</b>	E22-G28
<b>Peptide Sequence:</b>	YGRKKRRQRRREQESNG
<b>Peptide N-Terminus:</b>	Free amino
<b>Peptide C-Terminus:</b>	Amide
<b>Peptide Modifications Other:</b>	None

### Production

<b>Peptide Production Method:</b>	Solid-phase peptide synthesis
<b>Calculated Peptide Mass:</b>	2331.8
<b>% Peptide Purity:</b>	> 90
<b>Peptide Appearance:</b>	White powder
<b>Peptide Form:</b>	Solid
<b>Peptide Solubility:</b>	Dissolve in 50 µl DMSO and dilute to desired concentration with water or aqueous buffer
<b>Lot Number:</b>	USP01BTB
<b>Amount:</b>	1 mg
<b>Storage Conditions:</b>	Frozen at -20°C
<b>Storage Stability:</b>	Over 1 year at -20°C

### Applications

<b>Product Use:</b>	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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