

3X (DYKDDDDK) Peptide

Chemical Properties

CAS No. :	TP2174
Formula:	C120H169N31O49S
Molecular Weight:	2861.87
Appearance:	no data available
Storage:	keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year

Biological Description

Description	The DYKDDDDK-tag system utilizes a short, hydrophilic 8- amino-acid peptide that is fused to the protein of interest ¹ . The DYKDDDDK peptide binds to the antibody M1. To improve the detection of the DYKDDDDK tag the 3x (DYKDDDDK) system has been developed. This three tandem DYKDDDDK epitope is hydrophilic, 22-amino-acids long, and can detect up to 10 fmol of the expressed fusion protein. The DYKDDDDK-tagged maltodextrin-binding protein of <i>Pyrococcus furiosus</i> has been crystallized ⁴ and the quality of the crystals was very similar to that of crystals of untagged protein.
Targets(IC50)	Others

Solubility Information

Solubility	TBS (0.5M Tris-HCl, pH 7.4, with 1M NaCl): ≥25mg/mL, (< 1 mg/mL refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.3494 mL	1.7471 mL	3.4942 mL
5 mM	0.0699 mL	0.3494 mL	0.6988 mL
10 mM	0.0349 mL	0.1747 mL	0.3494 mL
50 mM	0.007 mL	0.0349 mL	0.0699 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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