

3X FLAG peptide TFA

Cat. No.:	HY-P0319A
Molecular Formula:	C ₁₂₂ H ₁₇₀ F ₃ N ₃₁ O ₅₁ S
Molecular Weight:	2975.84
Sequence:	Met-Asp-Tyr-Lys-Asp-His-Asp-Gly-Asp-Tyr-Lys-Asp-His-Asp-Ile-Asp-Tyr-Lys-Asp-Asp-Asp-MDYKDHDGDYKDHDIDYKDDDDK (TFA salt) p-Asp-Lys
Sequence Shortening:	MDYKDHDGDYKDHDIDYKDDDDK
Target:	Others
Pathway:	Others
Storage:	Sealed storage, away from moisture Powder -80°C 2 years -20°C 1 year * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)

SOLVENT & SOLUBILITY

In Vitro	H ₂ O : 25 mg/mL (8.40 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg
		Concentration				
		1 mM		0.3360 mL	1.6802 mL	3.3604 mL
		5 mM		0.0672 mL	0.3360 mL	0.6721 mL
	10 mM		---	---	---	
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: PBS Solubility: 50 mg/mL (16.80 mM); Clear solution; Need ultrasonic and adjust pH to 3 with HCl 2. Add each solvent one by one: 20 mM Tris pH7.5, 100 mM NaCl Solubility: 33.33 mg/mL (11.20 mM); Clear solution; Need ultrasonic					

BIOLOGICAL ACTIVITY

Description	3X FLAG peptide TFA is a synthetic peptide with a 3-time repeated DYKXXD motif ^[1] .
In Vitro	3X FLAG peptide can be used to label protein and other molecules. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

CUSTOMER VALIDATION

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- Cell Discov. 2022 Jun 28;8(1):60.
 - Nat Microbiol. 2021 May;6(5):658-671.
 - Nature Cancer. 222-234 (2020).
 - J Integr Plant Biol. 2022 Jul 2.

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REFERENCES

[1]. Zilio N, et al. Improved Tandem Affinity Purification Tag and Methods for Isolation of Proteins and Protein Complexes from Schizosaccharomyces pombe. Cold Spring Harb Protoc. 2017 Mar 1;2017(3):pdb.prot091611.

Caution: Product has not been fully validated for medical applications. For research use only.

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