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Datasheet for 000-000-H47

Triple FLAG® Peptide

Overview

Description:	Triple FLAG® Peptide - 000-000-H47
Item No.:	000-000-H47
Size:	1.0 mg
Applications:	SDS-PAGE, IP

Product Details

Background:	The Triple FLAG® Peptide is a synthetic peptide of 23 amino acid residues (molecular weight of 2861.9 daltons). The Asp-Tyr-Lys-Xaa-Xaa-Asp motif is repeated three times in the peptide. Eight amino acids at the C-terminus make up the classic FLAG® sequence (Asp-Tyr-Lys-Asp-Asp-Asp-Asp-Lys or DYKDDDDK). The triple FLAG peptide is intended for immunoaffinity chromatography to allow elution under non-denaturing conditions by competitive elution with excess of free triple FLAG® Peptide.
Synonyms:	synthetic FLAG® triple peptide, Met-Asp-Tyr-Lys-Asp-His-Asp-Gly-Asp-Tyr-Lys-Asp-His-Asp-Ile-Asp-Tyr-Lys-Asp-Asp-Asp-Asp-Lys, ddddk peptide, dykddddk peptide, control peptide, blocking peptide
Type:	Peptide

Target Details

Purity/Specificity:	Greater than 90% specific peptide by HPLC and MS.
Relevant Links:	• DYKDDDDK (FLAG) IP Protocol

Application Details

Tested Applications:	SDS-PAGE
Suggested Applications:	IP (Based on references)

Application Note:	The Triple FLAG® Peptide has been tested by SDS-PAGE. A working concentration of 500 µg/mL for triple FLAG® peptide is typically used for competitive elution of FLAG® containing proteins from anti-DYKDDDDK affinity gels (p/n 200-350-383). For use as a control in antibody-peptide competition assays (PCA) use the peptide at 1.0 µg per 1.0 µl of antibody/antiserum in per assay. See anti-DYKDDDDK FLAG® affinity gel PROTOCOL for recommendations for use.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
IP:	YES - see PROTOCOL
WB:	YES as blocking peptide in PCA

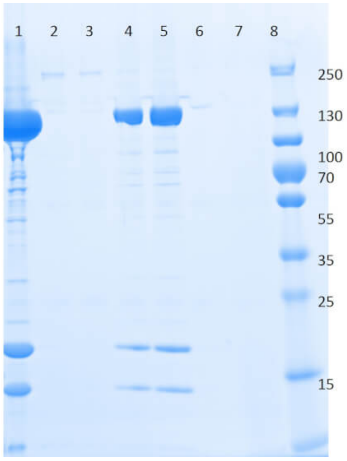
Formulation

Physical State:	Lyophilized
Concentration:	1.0 mg/mL by dry weight
Buffer:	None
Preservative:	None
Stabilizer:	None
Reconstitution Volume:	1.0 mL
Reconstitution Buffer:	0.05 M Tris Chloride, 0.15 M Sodium Chloride, pH 7.4

Shipping & Handling

Shipping Condition:	Ambient
Storage Condition:	Store vial at -20 ° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. Dilute only prior to immediate use.
Expiration:	Expiration date is six (6) months from date of receipt.

Images



SDS-PAGE
SDS-PAGE of Anti-DYKDDDDK (FLAG® tag) Affinity Gel. Lane 1: DYKDDDDK tagged recombinant protein. Lane 2: flow through. Lane 3: wash. Lane 4: eluted fraction one. Lane 5: eluted fraction two. Lane 6: eluted fraction three. Lane 7: blank. Lane 8: molecular weight markers. Load: 5 µg protein lane 1, 15µL per each other lane.
Predicted/Observed size: 135kDa for DYKDDDDK tagged recombinant protein.

References

- Xu F et al. Tryptophan As a New Member of RNA-Induced Silencing Complexes Prevents Colon Cancer Liver Metastasis. *Adv Sci (Weinh).* (2024)

Disclaimer

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