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Datasheet for 000-000-383

DYKDDDDK (FLAG®) Peptide

Overview

Description:	DYKDDDDK (FLAG®) Peptide - 000-000-383
Item No.:	000-000-383
Size:	1.0 mg
Applications:	SDS-PAGE

Product Details

Background:	The FLAG® peptide (Asp-Tyr-Lys-Asp-Asp-Asp-Asp-Lys or DYKDDDDK) is intended for immunoaffinity chromatography to allow elution under non-denaturing conditions by competitive elution with excess of free FLAG® Peptide.
Synonyms:	synthetic FLAG® peptide, ddddk peptide, dykddddk peptide, Asp-Tyr-Lys-Asp-Asp-Asp-Asp-Lys, control peptide, blocking peptide, DDK, FLAG
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
Application Note:	The FLAG® peptide was 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 specific instructions for use.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
IP:	User Optimized - see PROTOCOL

WB:	User Optimized as blocking peptide in PCA

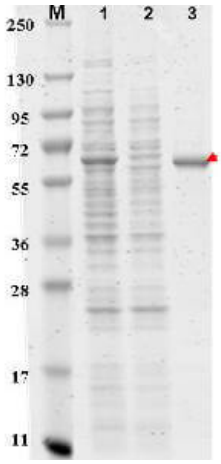
Formulation

Physical State:	Lyophilized
Concentration:	1 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

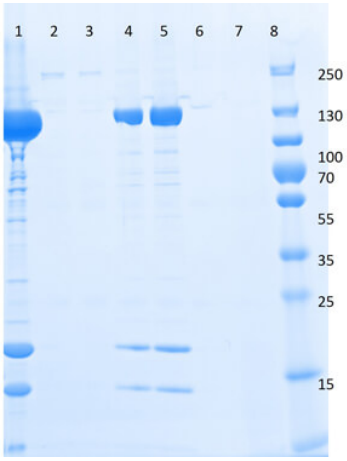
Shipping & Handling

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.

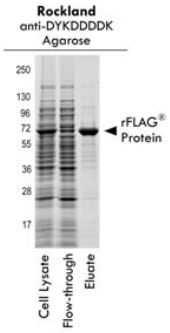
Images



SDS-PAGE
SDS-PAGE of Anti-DYKDDDDK (FLAG® tag) Affinity Gel. Lane 1: Cell lysate before purification. Lane 2: Flow through (used cell lysate). Lane 3: Purified DYKDDDDK (FLAG® tag) recombinant protein (arrowhead). Load: (6 µL per lane). Predicted/Observed size: 70kDa for DYKDDDDK tagged recombinant protein.



SDS-PAGE
SDS-PAGE of Anti-DYKDDDDK affinity gel using DYKDDDDK control peptide. Lane 1: DYKDDDDK tagged recombinant protein. Lane 2: flow through. Lane 3: wash. Lane 4: eluted fraction 1. Lane 5: eluted fraction 2. Lane 6: eluted fraction 3. 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.



SDS-PAGE
SDS-PAGE of Anti-DYKDDDDK (FLAG® tag) Affinity Gel. Lane 1: crude lysate containing over-expressed DYKDDDK-tagged recombinant protein . Lane 2: unbound flow-through of consisting of endogenous E.coli proteins. Lane 3: enriched recombinant protein. Load: 5 µg protein, 15µL flow through. Predicted/Observed size: 70kDa for DYKDDDDK tagged recombinant protein.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.