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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

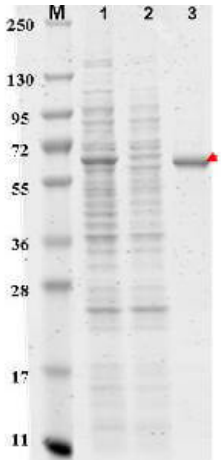
Formulation

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

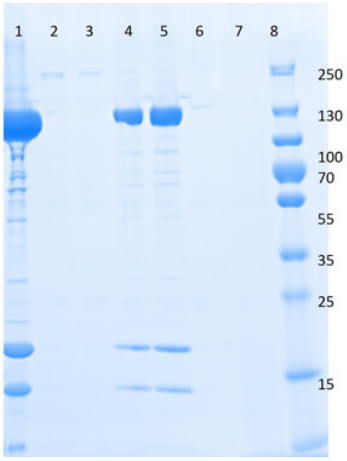
Shipping & Handling

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.

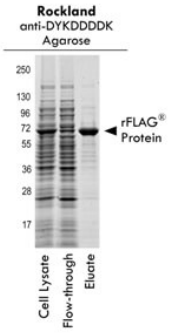
Images



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.

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