Datasheet for ABIN1607595

DYKDDDDK Tag peptide (DYKDDDDK Tag)

3 Images

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Overview

Quantity:	1 mg
Target:	DYKDDDDK Tag
Origin:	Tag
Purification tag / Conjugate:	This DYKDDDDK Tag peptide is labelled with DYKDDDDK Tag.
Application:	Control Peptide (CP), Immunoprecipitation (IP), Western Blotting (WB)

Product Details

Purity:	> 90 % specific peptide by HPLC and MS.
Endotoxin Level:	Low Endotoxin : No

Target Details

Target:	DYKDDDDK Tag
Target Type:	Tag
Background:	The DYKDDDDK peptide (Asp-Tyr-Lys-Asp-Asp-Asp-Asp-Lys) is intended for immunoaffinity chromatography to allow elution under non-denaturing conditions by competitive elution with excess of free DYKDDDDK Peptide. Synonyms: synthetic DYKDDDDK peptide, ddddk peptide, dykddddk peptide, Asp-Tyr-Lys-Asp-Asp-Asp-Asp-Lys, control peptide

Application Details

Application Notes:	A working concentration of 500 µg/mL for triple DYKDDDDK peptide is typically used for competitive elution of DYKDDDDK containing proteins from anti-DYKDDDDK affinity gels (p/n

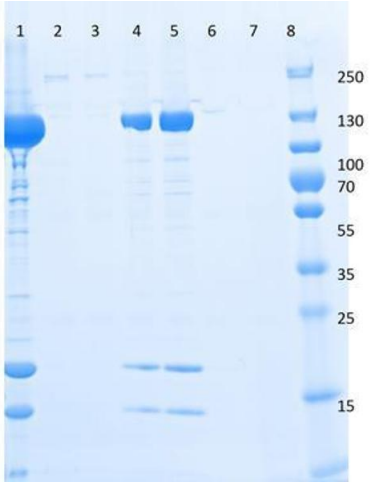
Application Details

	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 DYKDDDDK affinity gel PROTOCOL for specific instructions for use.
Restrictions:	For Research Use only

Handling

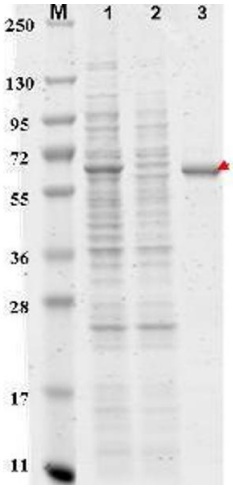
Format:	Lyophilized
Reconstitution:	0.05 M Tris Chloride, 0.15 M Sodium Chloride, pH 7.4
Concentration:	1 mg/mL
Storage:	4 °C/-20 °C
Storage Comment:	Store vial at 2 - 8 °C prior to opening. Aliquot contents and freeze at -20 °C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. Dilute only prior to immediate use.
Expiry Date:	Expiration date is six (6) months from date of opening.

Images



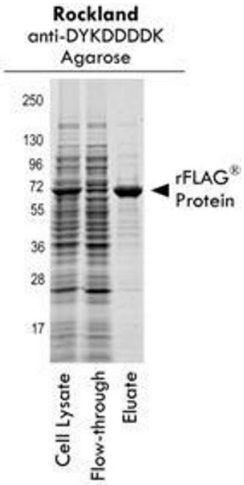
SDS-PAGE

Image 1. 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.



Western Blotting

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



Western Blotting

Image 3. SDS-PAGE of Anti-DYKDDDDK 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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