

Rev01  
Update: Dec,28,2022

**DATASHEET**

# DYKDDDDK Peptide

Cat. No.: RP10586

## Overview

<b>Synonyms</b>	DYKDDDDK tag;Flag-tag
<b>Description</b>	A fusion tag, called DYKDDDDK and consisting of eight amino acids (Asp-Tyr-Lys-Asp-Asp-Asp-Asp-Lys) including an enterokinase-cleavage site, was specifically designed for immunoaffinity chromatography. It allows elution under non-denaturing conditions. Several antibodies against this peptide have been developed. One antibody, denoted as M1, binds the peptide in the presence of bivalent metal cations, preferably Ca <sup>2+</sup> . Elution is effected by chelating agents. Another strategy is competitive elution with excess of free DYKDDDDK peptide.
<b>Sequence</b>	{ASP}{TYR}{LYS}{ASP}{ASP}{ASP}{ASP}{LYS}
<b>Sequence Shortening</b>	DYKDDDDK
<b>Molecular Formula</b>	C <sub>41</sub> H <sub>60</sub> N <sub>10</sub> O <sub>20</sub>
<b>Molecular Weight</b>	1012.97

## Properties

<b>Purity</b>	> 95%
<b>Form</b>	Lyophilized
<b>Storage</b>	Store at -20°C.