

Rev01
Update: Dec,28,2022

DATASHEET

DYKDDDDK Peptide

Cat. No.: RP10586CN

Overview

Synonyms	DYKDDDDK tag;Flag-tag
Description	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 ²⁺ . Elution is effected by chelating agents. Another strategy is competitive elution with excess of free DYKDDDDK peptide.
Sequence	{ASP}{TYR}{LYS}{ASP}{ASP}{ASP}{ASP}{LYS}
Sequence Shortening	DYKDDDDK
Molecular Formula	C ₄₁ H ₆₀ N ₁₀ O ₂₀
Molecular Weight	1012.97

Properties

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