

Rev03
Update: Feb,10,2022

DATASHEET

HIF-1 alpha (556-574)

Cat. No.: RP20479

Overview

Synonyms	HIF-1 alpha (556-574)
Description	This is a hypoxia-inducible factor-1 19-mer fragment. HIF-1 functions as master regulator of response to oxygen homeostasis. Hypoxia-induced gene expression is initiated when HIF-1 subunit is stabilized in response to a lack of oxygen. This part of HIF-1 binds to the von Hippel-Lindau factor (VHL) an E3 ubiquitin ligase, and the proline 564 is absolutely vital to the binding process.
Sequence	{Asp}{Leu}{Asp}{Leu}{Glu}{Met}{Leu}{Ala}{Pro}{Tyr}{Ile}{Pro}{Met}{Asp}{Asp}{Asp}{Phe}{Gln}{Leu}
Sequence Shortening	DLGLEMLAPYIPMDDDFQL
Molecular Formula	C ₁₀₁ H ₁₅₂ N ₂₀ O ₃₄ S ₂
Molecular Weight	2254.6

Properties

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