

IRS1 peptide ab204853

描述

产品名称	IRS1多肽
纯度	> 95 % HPLC.
无动物成分	No
性质	Synthetic
序列	KKSRGDYMTMQIG
氨基酸	979 to 989

技术指标

Our **Abpromise guarantee** covers the use of **ab204853** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Functional Studies HPLC
形式	Lyophilized
补充说明	ab204853 (IRS1 peptide) can be utilized as a substrate for the following active protein kinases:

- ab64298** (Active human Axl protein fragment)
- ab85755** (Active human Dystrophia myotonica protein kinase full length protein)
- ab69988** (Active Insulin Receptor R protein fragment)
- ab70687** (Active human Insulin Receptor protein fragment)
- ab70541** (Active human RON protein fragment)
- ab60337** (Active human Serine/threonine-protein kinase 4 full length protein)
- ab55710** (Active human LOK protein fragment)

制备和贮存

稳定性和存储	Shipped at 4°C. Store at -20°C. Avoid freeze / thaw cycle.
复溶	Dilute peptide in distilled water to a final concentration of 1mg/ml

常规信息

功能	May mediate the control of various cellular processes by insulin. When phosphorylated by the insulin receptor binds specifically to various cellular proteins containing SH2 domains such as phosphatidylinositol 3-kinase p85 subunit or GRB2. Activates phosphatidylinositol 3-kinase when bound to the regulatory p85 subunit.
疾病相关	Polymorphisms in IRS1 may be involved in the etiology of non-insulin-dependent diabetes mellitus (NIDDM) [MIM:125853].
序列相似性	Contains 1 IRS-type PTB domain. Contains 1 PH domain.
翻译后修饰	Serine phosphorylation of IRS1 is a mechanism for insulin resistance. Ser-312 phosphorylation inhibits insulin action through disruption of IRS1 interaction with the insulin receptor. Phosphorylation of Tyr-896 is required for GRB2-binding.

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