abcam

Product datasheet

IRS1 peptide ab204862

描述

产品名称	IRS1多肽
纯度	> 95 % HPLC.
无动物成分	No
性质	Synthetic
序列	KKKSPGEYVNIEFG
氨基酸	891 to 902

技术指标

Our **Abpromise guarantee** covers the use of **ab204862** 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	ab204862 (IRS1 peptide) can be utilized as a substrate for the following active protein kinases: **ab187246** (Active human ALK protein fragment) **ab84771** (Active human VEGF Receptor 1 full length protein) **ab71657** (Active IGF1 Receptor protein fragment) **ab84791** (Active human Ret protein fragment) **ab125624** (Active human ROS 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 20mM Tris-HCl, pH 7.5 solution to a final concentration of 1 mg/ml. For optimal storage, aliquot diluted product into smaller quantities and store at recommended temperature.

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.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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