

### IRS1 peptide ab204862

#### 製品の詳細

製品名	IRS1 peptide
精製度	> 95 % HPLC.
Animal free	No
由来	Synthetic
配列	KKKSPGEYVNIEFG
領域	891 to 902

#### 特性

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.

アプリケーション	Functional Studies HPLC
製品の状態	Lyophilized
備考	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)

#### 前処理および保存

保存方法および安定性	Shipped at 4°C. Store at -20°C. Avoid freeze / thaw cycle.
再構成	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.

#### 関連情報

機能	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.
関連疾患	Polymorphisms in IRS1 may be involved in the etiology of non-insulin-dependent diabetes mellitus (NIDDM) [MIM:125853].
配列類似性	Contains 1 IRS-type PTB domain. Contains 1 PH domain.
翻訳後修飾	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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