Datasheet for ABIN1474065

GSK3 alpha Protein (AA 2-483) (His tag)

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Overview

Quantity:	1 mg
Target:	GSK3 alpha (GSK3a)
Protein Characteristics:	AA 2-483
Origin:	Rat
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This GSK3 alpha protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	SGGGPSGGG PGGSGRARTS SFAEPGGGGG GGGGGPGGSA SGPGGTGGGK ASVGAMGGGV GASSSGGGPS GSGGGGSGGP GAGTSFPPPG VKLGRDSGKV TTVVATLGQG PERSQEVAYT DIKVIGNGSF GVVYQARLAE TRELVAIKKV LQDKRFKNRE LQIMRKLDHC NIVRLRYFFY SSGEKKDELY LNLVLEYVPE TVYRVARHFT KAKLIIPIIY VKVYMYQLFR SLAYIHSQGV CHRDIKPQNL LVDPDTAVLK LCDFGSAKQL VRGEPNVSYI CSRYYRAPEL IFGATDYTSS IDVWSAGCVL AELLLGQPIF PGDSGVDQLV EIIKVLGTPT REQIREMNPN YTEFKFPQIK AHPWTKVFKS RTPPEAIALC SSLLEYTPSS RLSPLEACAH SFFDELRSLG TQLPNNRPLP PLFNFSPGEL SIQPSLNAIL IPPHLRSPSG PATLTSSSQA LTETQTGQDW QAPDATPTLT NSS
Specificity:	Rattus norvegicus (Rat)
Characteristics:	Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalien cells or by baculovirus infection. Be aware about differences in price and lead time.

Product Details

Purity:	> 90 %

Target Details

Target:	GSK3 alpha (GSK3a)
Alternative Name:	Glycogen synthase kinase-3 alpha (Gsk3a) (GSK3a Products)
Background:	Recommended name: Glycogen synthase kinase-3 alpha. Short name= GSK-3 alpha. EC= 2.7.11.26. Alternative name(s): Factor A. Short name= FA Serine/threonine-protein kinase GSK3A. EC= 2.7.11.1
UniProt:	P18265
Pathways:	PI3K-Akt Signaling, WNT Signaling, Fc-epsilon Receptor Signaling Pathway, EGFR Signaling Pathway, Neurotrophin Signaling Pathway, cAMP Metabolic Process, Cellular Glucan Metabolic Process, Regulation of Muscle Cell Differentiation, Regulation of G-Protein Coupled Receptor Protein Signaling, ER-Nucleus Signaling, Regulation of Carbohydrate Metabolic Process, BCR Signaling, Warburg Effect

Application Details

Comment:	The yeast protein expression system is the most economical and efficient eukaryotic system for secretion and intracellular expression. A protein expressed by the mammalian cell system is of very high-quality and close to the natural protein. But the low expression level, the high cost of medium and the culture conditions restrict the promotion of mammalian cell expression systems. The yeast protein expression system serve as a eukaryotic system integrate the advantages of the mammalian cell expression system. A protein expressed by yeast system could be modificated such as glycosylation, acylation, phosphorylation and so on to ensure the native protein conformation. It can be used to produce protein material with high added value that is very close to the natural protein. Our proteins produced by yeast expression system has been used as raw materials for downstream preparation of monoclonal antibodies.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized

Handling

Concentration:	0.2-2 mg/mL
Buffer:	Tris-based buffer, 50 % glycerol
Handling Advice:	Repeated freezing and thawing is not recommended. Store working aliquots at 4 °C for up to one week
Storage:	-20 °C
Storage Comment:	Store at -20 °C, for extended storage, conserve at -20 °C or -80 °C.