abcam

Product datasheet

Recombinant Human ALK-7 protein ab132686

1 Image

Description

Product name	Recombinant Human ALK-7 protein
Expression system	Wheat germ
Accession	**Q8NER5**
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MTRALCSALRQALLLLAAAAELSPGLKCVCLLCDSSNFTC QTEGACWASV MLTNGKEQVIKSCVSLPELNAQVFCHSSNNVTKTECCFT DFCNNITLHLP TASPNAPKLGPMELAIIITVPVCLLSIAAMLTVWACQGRQC SYRKKKRPN VEEPLSECNLVNAGKTLKDLIYDVTASGSGSGLPLLVQRTI ARTIVLQEI VGKGRFGEVWHGRWCGEDVAVKIFSSRDERYWFREAEI YQTVMLRHENIL GFIAADNKDNGTWTQLWLVSEYHEQGSLYDYLNRNIVTMA GMIKLALSIA SGLAHLHMEIVGTQGKPAIAHRDIKSKNILVKKCETCAIADL GLAVKHDS ILNTIDIPQNPKVGTKRYMAPEMLDDTMNVNIFESFKRADIY SVGLVYWE IARRCSVGGIVEEYQLPYYDMVPSDPSIEEMRKVVCDQKF RPSIPNQWQS CEALRVMGRIMRECWYANGAARLTALRIKKTISQLCVKED CKA
Predicted molecular weight	80 kDa
Amino acids	1 to 493
Tags	GST tag N-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab132686** in the following tested applications.

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

Applications	Western blot SDS-PAGE ELISA
Form	Liquid
Additional notes	This product was previously labelled as Activin A Receptor Type IC.

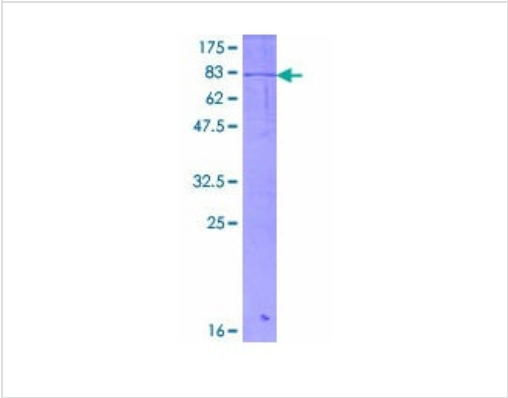
Preparation and Storage

Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80ºC. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 0.31% Glutathione, 0.79% Tris HCl

General Info

Function	Serine/threonine protein kinase which forms a receptor complex on ligand binding. The receptor complex consisting of 2 type II and 2 type I transmembrane serine/threonine kinases. Type II receptors phosphorylate and activate type I receptors which autophosphorylate, then bind and activate SMAD transcriptional regulators, SMAD2 and SMAD3. Receptor for activin AB, activin B and NODAL. Plays a role in cell differentiation, growth arrest and apoptosis.
Tissue specificity	Present in pancreas, heart, colon, small intestine, ovary and the hippocampus, medulla oblongata and putamen of the brain. Isoform 1, isoform 2, isoform 3 and isoform 4 are all expressed in the placenta throughout pregnancy.
Sequence similarities	Belongs to the protein kinase superfamily. TKL Ser/Thr protein kinase family. TGFB receptor subfamily. Contains 1 GS domain. Contains 1 protein kinase domain.
Cellular localization	Membrane.

Images



SDS-PAGE - Recombinant Human ALK-7 protein (ab132686)

12.5% SDS-PAGE analysis of ab132686 stained with Coomassie Blue.

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

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- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

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