

Product datasheet

Recombinant Human ALK-7 protein ab125628

1 Image

Description

Product name	Recombinant Human ALK-7 protein
Expression system	Baculovirus infected Sf9 cells
Accession	Q8NER5
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Human
Predicted molecular weight	68 kDa including tags
Amino acids	135 to 493

Specifications

Our [Abpromise guarantee](#) covers the use of **ab125628** 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
Form	Liquid
Additional notes	Protein previously known as Activin A Receptor Type IC.

Preparation and Storage

Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 7.50 Constituents: 0.31% Glutathione, 0.002% PMSF, 0.004% DTT, 0.79% Tris HCl, 0.003% EDTA, 25% Glycerol (glycerin, glycerine), 0.88% Sodium chloride
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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
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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.

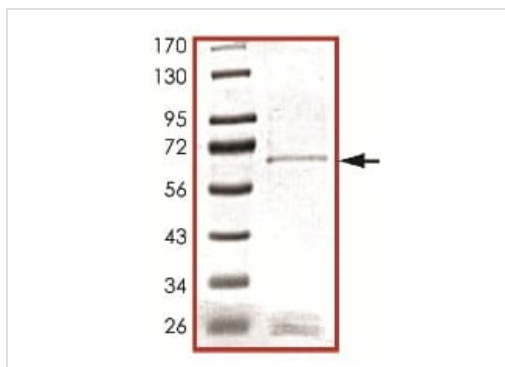
Contains 1 GS domain.

Contains 1 protein kinase domain.

Cellular localization

Membrane.

Images



SDS-PAGE of ab125628.

SDS-PAGE - Recombinant Human ALK-7 protein
(ab125628)

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