

Datasheet for ABIN7596318

## Activin RIA/ALK-2 (AA 21-123) protein (hIgG-His-tag)



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### Overview

Quantity:	250 µg
Target:	Activin RIA/ALK-2
Protein Characteristics:	AA 21-123
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	hIgG-His-tag
Application:	SDS-PAGE (SDS)

### Product Details

Sequence:	MEDEKPKVNP KLYMCVCEGL SCGNEDHCEG QQCFSSLSIN DGFHVYQKGC FQVYEQGKMT CKTPPSPGQA VECCQGDWCN RNITAQLPTK GKSFPQTQNF HLE
Purity:	> 90% by SDS-PAGE
Endotoxin Level:	< 1 EU per 1 µg of protein (determined by LAL method)

### Target Details

Target:	Activin RIA/ALK-2
Background:	Activin RIA, also known as Activin receptor type-1, is a member of TGF-beta serine/threonine kinase receptor family. It forms a receptor complex consisting of two type II and two type I transmembrane serine/threonine kinases. Type II receptors phosphorylate and activate type I receptors which autophosphorylate, then bind and activate SMAD transcriptional regulators.

## Target Details

This protein is involved for left-right pattern formation during embryogenesis. Also, it is important in the bone morphogenic protein (BMP) pathway which is responsible for the development and repair of the skeletal system. It has been connected to Fibrodysplasia Ossificans Progressiva, a disease characterized by the formation of heterotopic bone throughout the body. Recombinant Human Activin RIA, fused to hlgG-His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Molecular Weight: 38.4 kDa (342aa)

NCBI Accession: [NP\\_001096](#)

## Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 0.25 mg/mL

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Can be stored at +2°C to +8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.