

Product datasheet

Recombinant Human Endothelin A Receptor protein ab114239

[1 Image](#)

Overview

Product name	Recombinant Human Endothelin A Receptor protein
Protein length	Protein fragment

Description

Nature	Recombinant
Source	Wheat germ

Amino Acid Sequence

Accession	P25101
Species	Human
Sequence	VISDNPERYSTNLSNHVDDFTTFRGTELSFLVTTHQPTNLVLPNGSMHN YCPQQTKITSAFK
Molecular weight	33 kDa including tags
Amino acids	18 to 80

Specifications

Our [Abpromise guarantee](#) covers the use of **ab114239** in the following tested applications.

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

Applications	ELISA SDS-PAGE Western blot
Form	Liquid
Additional notes	Protein concentration is above or equal to 0.05 mg/ml

Preparation and Storage

Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 8.00
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Constituents: 0.3% Glutathione, 0.79% Tris HCl

General Info

Function

Receptor for endothelin-1. Mediates its action by association with G proteins that activate a phosphatidylinositol-calcium second messenger system. The rank order of binding affinities for ET-A is: ET1 > ET2 >> ET3.

Tissue specificity

Isoform 1, isoform 3 and isoform 4 are expressed in a variety of tissues, with highest levels in the aorta and cerebellum, followed by lung, atrium and cerebral cortex, lower levels in the placenta, kidney, adrenal gland, duodenum, colon, ventricle and liver but no expression in umbilical vein endothelial cells. Within the placenta, isoform 1, isoform 2, isoform 3 and isoform 4 are expressed in the villi and stem villi vessels.

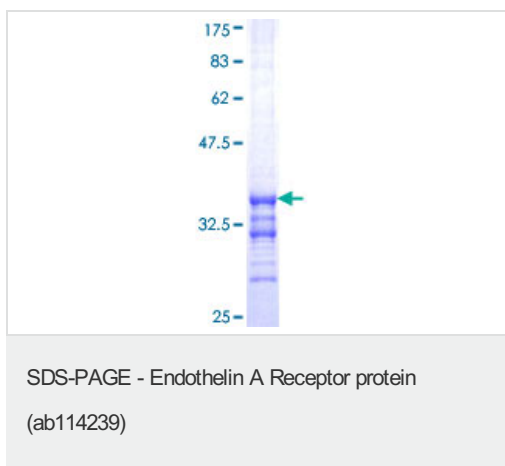
Sequence similarities

Belongs to the G-protein coupled receptor 1 family. Endothelin receptor subfamily. EDNRA sub-subfamily.

Cellular localization

Cell membrane.

Images



12.5% SDS-PAGE showing ab114239 at approximately 32.56kDa stained with Coomassie Blue.

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