

Product datasheet

Recombinant Human TRPC6 protein ab152771

1 Image

Description

Product name	Recombinant Human TRPC6 protein	
Expression system	Wheat germ	
Accession	Q9Y210	
Protein length	Protein fragment	
Animal free	No	
Nature	Recombinant	
Species	Human	
Sequence	ARFMAFWHASKAQSIIIDANDTLKDLTKVTLGDNVKYYNLA RIKWDPSPDQ	
Predicted molecular weight	31 kDa including tags	
Amino acids	543 to 592	

Specifications

Our [Abpromise guarantee](#) covers the use of **ab152771** 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

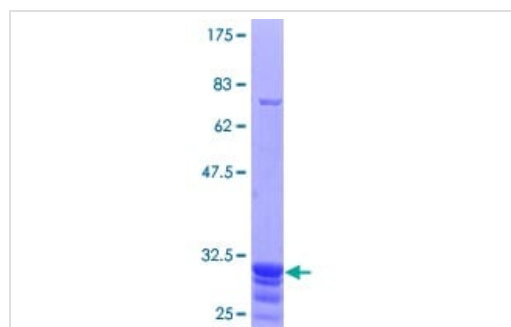
Preparation and Storage

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

General Info

Function	Thought to form a receptor-activated non-selective calcium permeant cation channel. Probably is operated by a phosphatidylinositol second messenger system activated by receptor tyrosine kinases or G-protein coupled receptors. Activated by diacylglycerol (DAG) in a membrane-delimited fashion, independently of protein kinase C. Seems not to be activated by intracellular calcium store depletion.
Tissue specificity	Expressed primarily in placenta, lung, spleen, ovary and small intestine. Expressed in podocytes and is a component of the glomerular slit diaphragm.
Involvement in disease	Defects in TRPC6 are the cause of focal segmental glomerulosclerosis type 2 (FSGS2) [MIM:603965]. A renal pathology defined by the presence of segmental sclerosis in glomeruli and resulting in proteinuria, reduced glomerular filtration rate and edema. Renal insufficiency often progresses to end-stage renal disease, a highly morbid state requiring either dialysis therapy or kidney transplantation.
Sequence similarities	Belongs to the transient receptor (TC 1.A.4) family. STrpC subfamily. TRPC6 sub-subfamily. Contains 4 ANK repeats.
Cellular localization	Membrane.

Images



12.5% SDS-PAGE analysis of ab152771 stained with Coomassie Blue.

SDS-PAGE - Recombinant Human TRPC6 protein
(ab152771)

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