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Product datasheet for TP762210

TRPC6 (NM_004621) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human transient receptor potential cation channel, subfamily C, member 6 (TRPC6), Met1-Phe102, with N-terminal His-ABP tag, expressed in E.coli, 50ug
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	A DNA sequence encoding the region(Met1-Phe102) of TRPC6
Tag:	N-His-ABP (Albumin-Binding Protein)
Predicted MW:	26.8 kDa
Concentration:	>0.05 μg/μL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	50 mM Tris-HCl, pH 8.0, 8 M urea
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_004612
Locus ID:	7225
UniProt ID:	Q9Y210
RefSeq Size:	4564
Cytogenetics:	11q22.1
RefSeq ORF:	2793
Synonyms:	FSGS2; TRP6

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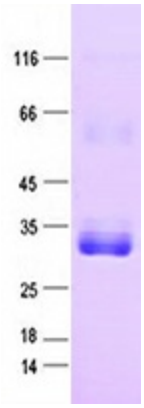
Summary: The protein encoded by this gene forms a receptor-activated calcium channel in the cell membrane. The channel is activated by diacylglycerol and is thought to be under the control of a phosphatidylinositol second messenger system. Activation of this channel occurs independently of protein kinase C and is not triggered by low levels of intracellular calcium. Defects in this gene are a cause of focal segmental glomerulosclerosis 2 (FSGS2). [provided by RefSeq, Mar 2009]

Protein Families: Druggable Genome, Ion Channels: Transient receptor potential, Transmembrane

Product images:



Purified recombinant protein TRPC6 was analyzed by SDS-PAGE gel and Coomossie Blue Staining.