

Recombinant Human RST protein ab165092

1 Image

Description

Product name	Recombinant Human RST protein
Expression system	Wheat germ
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MAFSELLDLVGGLGRFQVLQTMALMVSIMWLCTQSMLLEN FSAAVPSHRCW APLLDNSTAQASILGSLSPEALLAISIPPGPNQRPHQCRRF RQPQWQLLD PNATATSWSEADTEPCVDGWVYDRSIFTSTIVAKWNLVC DSHALKPMAQS YLAGILVGAAACGPASDRFGRRLVLTWSYLQMAVMGTAA AFAPAFPVYC LFRLLAFAVAGVMMNTGTLLMEWTAARARPLVMTLNSL GFSFGHGLTAA VAYGVRDWTLQLVVSVPFFLCFLYSWWLAESARWLLTT GRLDWGLQELW RVAAINGKGAVQDTLTPEVLLSAMREELSMGQPPASLGT LRMPGLRFRT CISTLCWFAFGFTFFGLALDLQALGSNIFLLQMFIGVVDIPA KMGALLL SHLGRRPTLAASLLLAGLCILANTLVPHEMGALRSALAVLG LGGVGAAFT CITYSSELFPTVLRMTAVGLGQMAARGGAILGPLVRLLGV HGPWLPLLV YGTVPVLSGLAALLLPETQSLPLPDTIQDVQNAVKKATH GTLGNSVLKS TQF
Amino acids	1 to 553
Tags	GST tag N-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab165092** in the following tested applications.

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

Applications	ELISA
	Western blot
Form	Liquid
Additional notes	

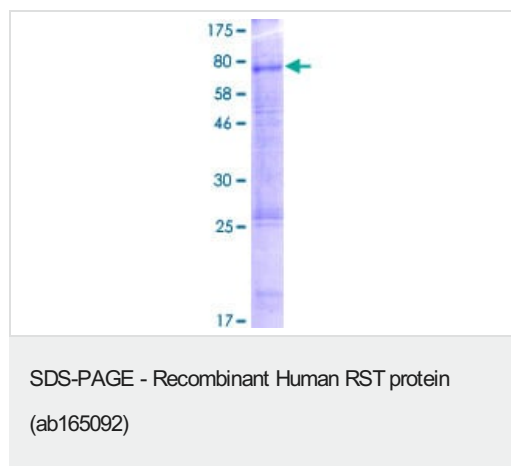
Preparation and Storage

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	Required for efficient urate re-absorption in the kidney. Regulates blood urate levels. Mediates saturable urate uptake by facilitating the exchange of urate against organic anions.
Tissue specificity	Detected in kidney (at protein level). Detected in fetal and adult kidney. Detected in epithelial cells of proximal tubules in renal cortex.
Involvement in disease	Defects in SLC22A12 are a cause of renal hypouricemia (RH) [MIM:220150]. Patients have low serum urate levels, due to defects in renal urate re-absorption and high urinary urate excretion. Patients often appear asymptomatic, but may be subject to exercise-induced acute renal failure (ARF), chronic renal dysfunction and uric acid urolithiasis.
Sequence similarities	Belongs to the major facilitator superfamily. Organic cation transporter family.
Cellular localization	Cell membrane. Detected in the luminal membrane of the epithelium of renal proximal tubules.

Images



ab165092 on a 12.5% SDS-PAGE stained with Coomassie Blue.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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