

# Recombinant Full Length Human SLC22A5 Protein, GST-tagged

Cat. No. SLC22A5-6814HF Lot. No. (See product label)

## SPECIFICATION

**Product Overview** Recombinant Human SLC22A5 Full-Length ORF Protein (1-557 aa) is produced by Wheat Germ (in vitro) expression system. This protein is fused with a GST tag at the N-terminal.

**Species** Human

**Source** In Vitro Cell Free System

**Protein Length** 557 amino acids

**Description** This gene encodes a protein that belongs to the serine protease family. The encoded protein contains a type II transmembrane domain, a receptor class A domain, a scavenger receptor cysteine-rich domain and a protease domain. Serine proteases are known to be involved in many physiological and pathological processes. This gene was demonstrated to be up-regulated by androgenic hormones in prostate cancer cells and down-regulated in androgen-independent prostate cancer tissue. The protease domain of this protein is thought to be cleaved and secreted into cell media after autocleavage. This protein also facilitates entry of viruses into host cells by proteolytically cleaving and activating viral envelope glycoproteins. Viruses found to use this protein for cell entry include Influenza virus and the human coronaviruses HCoV-229E, MERS-CoV, SARS-CoV and SARS-CoV-2 (COVID-19 virus). Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

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<b>Form</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
<b>Molecular Mass</b>	89.1 kDa
<b>AA Sequence</b>	<p>MRDYDEVTAFLGEWGPFRQLIFFLLSASIIPNGFTGLSSVFLIATPEHRCRVPDAANL  SSAWRNHTVPLRLRDGREVPHSCRRYRLATIANFSALEPGRDVDLGQLEQESCP  DGWEFSQDVYLSTIVTEWNLVCEDDWKAPLTISLFFVGVLLGSFISGQLSDRFRKRN  VLFVTMGMQTGFSFLQIFSKNFEMFVVLVFLVGMGQISNYVAAFVLGTEILGKSIVRIIF  STLGVCIFYAFGYMVLPLFAYFIRDWRMLLVALTMPGVLCVALWWFIPESRWLISQ  GRFEEAEVIIRKAAKANGIVVPSTIFDPSELQDLSSKKQQSHNILDLLRTWNIRMVTIM  SIMLWMTISVGYFGLSLDTPNLHGDIFVNCFLSAMVEVPAYVLAWLLLQYLPRRYSM  ATALFLGGSVLLFMQLVPPDLYLATVLMVVGKFGVTAAFSMVYVYTAELYPTVVRN  MGVGVSSSTASRLGSILSPYFVYLGAYDRFLPYILMGSLTILTAILFLPESFGTPLPDT  IDQMLRVKGMKHRKTPSHTRMLKDGQERPTILKSTAF</p>
<b>Applications</b>	Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; Protein Array
<b>Notes</b>	Best use within three months from the date of receipt of this protein
<b>Storage</b>	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

## GENE INFORMATION

<b>Gene Name</b>	SLC22A5 solute carrier family 22 member 5 [ Homo sapiens (human) ]
<b>Official Symbol</b>	SLC22A5
<b>Synonyms</b>	CDSP; FLJ46769; OCTN2; OCTN2VT;
<b>Gene ID</b>	6584

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