

Active Recombinant Full Length Human SRR Protein, C-Flag-tagged

Cat. No. SRR-1114HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human SRR Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	Enables several functions, including L-serine ammonia-lyase activity; PDZ domain binding activity; and anion binding activity. Involved in pyruvate biosynthetic process; response to lipopolysaccharide; and serine family amino acid metabolic process. Located in cytoplasm and neuronal cell body.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Bio-activity	SRR Facilitates D-serine Production from L-serine: In vitro assays, Purified human SRR converts L-serine to D-serine in a dose and time dependent manner. Y-axis is pmol of D-serine produced.
Molecular Mass	36.4 kDa
AA Sequence	MCAQYCISFADVEKAHINIRDSIHLTPVLTSSILNQLTGRNLFFKCELFQKTGSFKIRG ALNAVRSLVPD ALERKPKAVVTHSSGNHGQALTYAAKLEGIPAYIVVPQTAPDCKKL AIQAYGASIVYCEPSDESRENVAK RVTEETEGIMVHPNQEPAVIAGQGTTIALEVLNQ VPLVDALVVPVGGGGMLAGIAITVKALKPSVKVYAAE PSNADDCYQSKLKGKLMNP

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LYPPETIADGVKSSIGLNTWPIIRDLVDDIFTVTEDEIKCATQLVWERMKL
 LIEPTAGVGVAAVLSQHFQTVSPEVKNICIVLSGGNVDLTSSITWVKQAERPASYQSV
 SVTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Pathways	Glycine, serine and threonine metabolism
Full Length	Full L.

GENE INFORMATION

Gene Name	SRR serine racemase [Homo sapiens (human)]
Official Symbol	SRR
Synonyms	ILV1; ISO1
Gene ID	63826
mRNA Refseq	NM_021947.3

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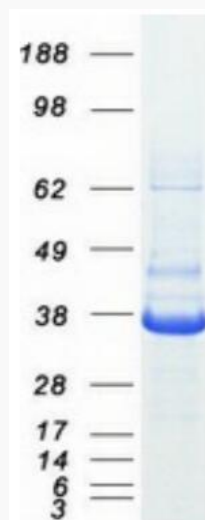
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Protein Refseq NP_068766.1

MIM 606477

UniProt ID Q9GZT4



Coomassie blue staining of purified SRR protein.

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