

Recombinant Mouse Scara5 Protein, Myc/DDK-tagged

Cat. No. Scara5-5703M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length scavenger receptor class A, member 5 (Scara5), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Ferritin receptor that mediates non-transferrin-dependent delivery of iron. Mediates cellular uptake of ferritin-bound iron by stimulating ferritin endocytosis from the cell surface with consequent iron delivery within the cell. Delivery of iron to cells by ferritin is required for the development of specific cell types, suggesting the existence of cell type-specific mechanisms of iron traffic in organogenesis, which alternatively utilize transferrin or non-transferrin iron delivery pathways. Ferritin mediates iron uptake in capsule cells of the developing kidney. Binds preferentially ferritin light chain (FTL) compared to heavy chain (FTH1).
Molecular Mass	54.1 kDa
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 after receiving vials.

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Concentration >50 µg/mL as determined by microplate BCA method

Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name Scara5 scavenger receptor class A, member 5 [Mus musculus (house mouse)]

Official Symbol Scara5

Synonyms SCARA5; scavenger receptor class A, member 5 (putative); scavenger receptor class A member 5; testis expressed scavenger receptor; Tesr; AV278087; 4932433F15Rik; 4933425F03Rik

Gene ID 71145

mRNA Refseq NM_028903

Protein Refseq NP_083179

UniProt ID Q8K299

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