

## Recombinant Mouse Scara5 Protein, Myc/DDK-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Purified recombinant protein of mouse full-length scavenger receptor class A, member 5 (Scara5), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>Description</b>	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).
<b>Molecular Mass</b>	54.1 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>Storage</b>	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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