

Product datasheet for **TP507870**

Scara5 (NM_028903) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse scavenger receptor class A, member 5 (Scara5), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR207870 representing NM_028903 Red =Cloning site Green =Tags(s) MDNKAMYLHTVSDRDNGSIFEFPDGRSLSKLNLCEDGPCHKRRAGGCCTQLGSLKHAHLGLYLLVF LILVGIFILAVSRPRSSPDDLKALTRNVNRLNESLRDMQLRLLQAPLQADLTEQVWKVQDALQNQTDSLL ALAGLVQRLEGTLWGLHAQAAQTEQAMALLRDRTGQQSDSAQLELYQLQVESNRSQLLLQRHAGLLDGLA RRVGVLGEELADVGGALRGLNHLSYDVALHSTWLQDLQVLVSNASADTRRMRLVHMDMEMQLKQELATL NVVTEDLRLKDWHSIALRNITLAKGPPGPKGDQGNEGKEGKPGSPGLPGSRGLPGERGDPGLPGPKGDD GKLGATGPMGMRGFKGDRGPKGEKGERGERAGDMDFTMIRLVNGSGPHQGRVEVFHDRRWGTVCDDGWDK KGDVVCRLGLGFHGVVEVYRTARFGQGTGRIWMDDVNCKGTESSIFHCQFSKWGVTNCGHAEDAGVTCTV P TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	54.1 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_083179



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Locus ID: 71145

UniProt ID: [Q8K299](#)

RefSeq Size: 3809

Cytogenetics: 14 D1

RefSeq ORF: 1473

Synonyms: 4932433F15Rik; 4933425F03Rik; AV278087; Tesr

Summary: 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).[UniProtKB/Swiss-Prot Function]