

Product datasheet for PH319554

SCARA5 (NM_173833) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	SCARA5 MS Standard C13 and N15-labeled recombinant protein (NP_776194)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC219554
Predicted MW:	53.8 kDa
Protein Sequence:	>RC219554 representing NM_173833 Red=Cloning site Green=Tags(s)

MENKAMYLHTVSDCDTSSICEDSFDGRSLSKLNLCEGDPCHKRRASICCTQLGSLSALKHAVLGLYLLVF
LILVGIFILAVSRPSSPDDLKALTRNVNRLNESFRDLQLRLLQAPLQADLTEQVWKVQDALQNQSDSLL
ALAGAVQRLEGALWGLQAQAVQTEQAVALLRDRTGQQSDTAQLELYQLQVESNSSQLLLRRHAGLLDGLA
RRVGILGEELADVGGVLRGLNHSLSYDVALHRTRLQDLRVLVSNASEDTRRLRLAHVGMELQLKQELAML
NAVTEDLRLKDWEHSIALRNISLAKGPPGPKGDQGDGEGKEGRPGIPGLPGLRGLPGERGTPGLPGPKGDD
GKL GATGPMGMRGFKGDRGPKGEKGEKGDRAAGDASGVEAPMMIRLVNNGSGPHEGRVEVYHRRWGTVCDD
GWDKKDGDVVCRLMGFRGVEEVYRTARFGQGTGRIWMDDVACKGTEETIFRCSFSKWGVTNCGHAEDASV
TCNRH

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_776194
RefSeq Size:	3644
RefSeq ORF:	1485



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Synonyms: NET33; Tesr

Locus ID: 286133

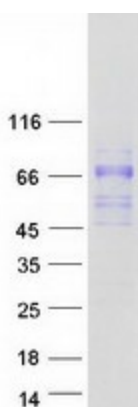
UniProt ID: [Q6ZMJ2](#)

Cytogenetics: 8p21.1

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]

Protein Families: Druggable Genome, Transmembrane

Product images:



Coomassie blue staining of purified SCARA5 protein (Cat# [TP319554]). The protein was produced from HEK293T cells transfected with SCARA5 cDNA clone (Cat# [RC219554]) using MegaTran 2.0 (Cat# [TT210002]).