

Recombinant Full Length Human SLC39A4 Protein, C-Flag-tagged

Cat. No. SLC39A4-796HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human SLC39A4 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	This gene encodes a member of the zinc/iron-regulated transporter-like protein (ZIP) family. The encoded protein localizes to cell membranes and is required for zinc uptake in the intestine. Mutations in this gene result in acrodermatitis enteropathica. Multiple transcript variants encoding different isoforms have been found for this gene.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	68.2 kDa
AA Sequence	MASLVSELEGLLLAVLVVTATASPPAGLLSLLTSGQGALDQEALGGLLNTLADRVHCT NGPCGKCLSVED ALGLGEPEGSGLPVLEARYVARLSAAVLYLSNPEGTCEDT RAGLWASHADHLLALLESPKALTPGL SWLLQRMQARAAGQTPKTACVDIPQLLEEA VGAGAPGSAGGVLAALLDHVRSGSCFHALPSPQYFVDFVF QQHSSEVPMTLAELS ALMQRLGVGREAHSDHSHRHRGASSRDPVPLISSNSSSSVWDTVCLSARDVMAAY GLSEQAGVTPEAWAQLSPALLQQQLSGACTSQRPPVQDQLSQSERYLYGSLATLL ICLCAVFGLLLLTC TGCRGVTHYILQTFSLAVGALTGDAVLHLTPKVLGLHTHSEEG LSPQPTWRLLAGLYAFFLFENLF NLLLPRDPEDLEDGPCGHSSSHSHGGHSHG

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VSLQLAPSELRQPKPPHEGSRADLVAEESPELLNPEPRRLS PELRLLPYMITLGDAV
 HNFADGLAVGAFASSWKTGLATSLAVFCHELPHELGDFAALLHAGLSVRQALL LN
 LASALTAFAGLYVALAVGVSEESEAWILAVATGLFLYVALCDMLPAMLKVRDPRPWL
 LFLHNVGLLG
 GWTVLLLLSLYEDDITFTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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 Families	Transmembrane
Full Length	Full L.

GENE INFORMATION

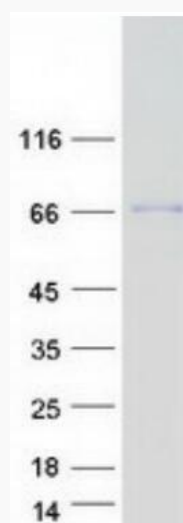
Gene Name	SLC39A4 solute carrier family 39 member 4 [Homo sapiens (human)]
Official Symbol	SLC39A4
Synonyms	AEZ; ZIP4; AWMS2
Gene ID	55630

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mRNA Refseq	NM_130849.4
Protein Refseq	NP_570901.3
MIM	607059
UniProt ID	Q6P5W5



Coomassie blue staining of purified SLC39A4 protein.