

Recombinant Human ABCA7 protein, His & GST-tagged

Cat. No. ABCA7-1677H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human ABCA7 aa. (Glu53~Leu249) fused with N-terminal His & GST tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Glu53~Leu249
Description	<p>The protein encoded by this gene is a member of the superfamily of ATP-binding cassette (ABC) transporters. ABC proteins transport various molecules across extra- and intra-cellular membranes. ABC genes are divided into seven distinct subfamilies (ABC1, MDR/TAP, MRP, ALD, OABP, GCN20, White). This protein is a member of the ABC1 subfamily. Members of the ABC1 subfamily comprise the only major ABC subfamily found exclusively in multicellular eukaryotes. This full transporter has been detected predominantly in myelo-lymphatic tissues with the highest expression in peripheral leukocytes, thymus, spleen, and bone marrow. The function of this protein is not yet known; however, the expression pattern suggests a role in lipid homeostasis in cells of the immune system.</p>
Form	Freeze-dried powder
Molecular Mass	51.0kDa as determined by SDS-PAGE reducing conditions.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)

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Purity	>90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Concentration	200µg/mL
Storage buffer	20mM Tris, 150mM NaCl, pH8.0, containing 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
Isoelectric Point	5.2

GENE INFORMATION

Gene Name	ABCA7 ATP binding cassette subfamily A member 7 [Homo sapiens (human)]
Official Symbol	ABCA7
Synonyms	ABCA7; ATP binding cassette subfamily A member 7; AD9; ABCX; ABCA-SSN; ATP-binding cassette sub-family A member 7; ATP-binding cassette, sub-family A (ABC1), member 7; autoantigen SS-N; macrophage ABC transporter

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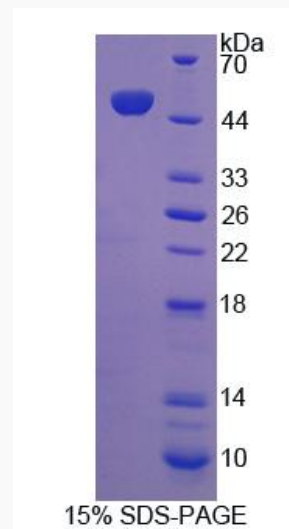
Gene ID 10347

mRNA Refseq NM_019112.3

Protein Refseq NP_061985.2

UniProt ID Q8IZY2

SDS-PAGE



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