

## Recombinant Human ABCA8 Protein, GST-Tagged

**Cat. No.** ABCA8-036H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human ABCA8 full-length ORF ( AAH47765.1, 1 a.a. - 266 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Source</b>           | Wheat Germ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Description</b>      | <p>The membrane-associated 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 intracellular 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. The encoded protein may regulate lipid metabolism and be involved in the formation and maintenance of myelin. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2014]</p> |
| <b>Molecular Mass</b>   | 57.2 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>AA Sequence</b>      | MRKRKISVCQQTWALLCKNFLKKWRMKRESLMEWLNSLLLLCLYIYPHSHQVND<br>SSLLTMDLGRVDTFNESRFSVVYTPVTNTTQQIMNKVASTPFLAGKEVLGLPDEESIK<br>EFTANYPEEIVRVTFNTYSYHLKFLGHGMPAKKEHKDHTAHCYETNEDVYCEVSV<br>FWKEGFVALQAAINAAIIEITTNHSVMEELMSVTGKNMKMHFIGQSGVITDLYLFSCII<br>SFSSFIYYASVNVTRERKRMKALMTMMGLRDSAFW                                                                                                                                                                                                                                                                                                                                                                                                                         |

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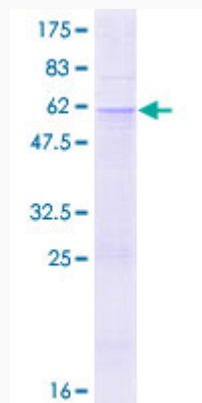
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|                         |                                                                                                                              |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------|
| <b>Applications</b>     | Enzyme-linked Immunoabsorbent Assay<br>Western Blot (Recombinant protein)<br>Antibody Production<br>Protein Array            |
| <b>Notes</b>            | Best use within three months from the date of receipt of this protein.                                                       |
| <b>Storage</b>          | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.                                                     |
| <b>Storage Buffer</b>   | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                                     |
| <b>GENE INFORMATION</b> |                                                                                                                              |
| <b>Gene Name</b>        | ABCA8 ATP-binding cassette, sub-family A (ABC1), member 8 [ Homo sapiens ]                                                   |
| <b>Official Symbol</b>  | ABCA8                                                                                                                        |
| <b>Synonyms</b>         | ABCA8; ATP-binding cassette, sub-family A (ABC1), member 8; ATP-binding cassette sub-family A member 8; KIAA0822; MGC163152; |
| <b>Gene ID</b>          | 10351                                                                                                                        |
| <b>mRNA Refseq</b>      | NM_007168                                                                                                                    |
| <b>Protein Refseq</b>   | NP_009099                                                                                                                    |
| <b>MIM</b>              | 612505                                                                                                                       |
| <b>UniProt ID</b>       | O94911                                                                                                                       |

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12.5% SDS-PAGE Stained with Coomassie Blue.

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