

## Recombinant Human ABCG2 Protein, GST-Tagged

Cat. No. ABCG2-067H Lot. No. (See product label)

### SPECIFICATION

**Product Overview** Human ABCG2 partial ORF ( NP\_004818.2, 156 a.a. - 265 a.a.) recombinant protein with GST-tag at N-terminal.

**Species** Human

**Source** Wheat Germ

**Description** The membrane-associated protein encoded by this gene is included in 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 White subfamily. Alternatively referred to as a breast cancer resistance protein, this protein functions as a xenobiotic transporter which may play a major role in multi-drug resistance. It likely serves as a cellular defense mechanism in response to mitoxantrone and anthracycline exposure. Significant expression of this protein has been observed in the placenta, which may suggest a potential role for this molecule in placenta tissue. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Apr 2012]

**Molecular Mass** 37.84 kDa

**AA Sequence** EKNERINRVIQELGLDKVADSKVGTQFIRGVSGGERKRTSIGMELITDPSILFLDEPTT  
GLDSSTANAVLLLLKRMSKQGRTIIFSIHQPRYSIFKLFDSLTLASGRLM

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<b>Applications</b>	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production 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.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">ABCG2 ATP-binding cassette, sub-family G (WHITE), member 2 [ Homo sapiens ]</a>
<b>Official Symbol</b>	<a href="#">ABCG2</a>
<b>Synonyms</b>	ABCG2; ATP-binding cassette, sub-family G (WHITE), member 2; ATP-binding cassette sub-family G member 2; ABCP; BCRP; CD338; EST157481; MXR; ABC transporter; placenta specific MDR protein; breast cancer resistance protein; ATP-binding cassette transporter G2; mitoxantrone resistance-associated protein; placenta-specific ATP-binding cassette transporter; multi drug resistance efflux transport ATP-binding cassette sub-family G (WHITE) member 2; MRX; BMDP; MXR1; ABC15; BCRP1; GOUT1; CDw338; UAQTL1; MGC102821;
<b>Gene ID</b>	<a href="#">9429</a>
<b>mRNA Refseq</b>	<a href="#">NM_001257386</a>
<b>Protein Refseq</b>	<a href="#">NP_001244315</a>

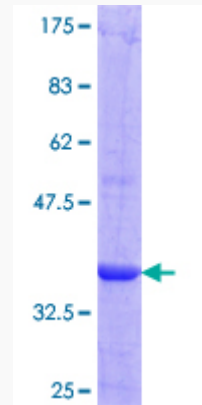
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MIM 603756

UniProt ID Q9UNQ0



12.5% SDS-PAGE Stained with Coomassie Blue.

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