

## Names for AUG (ISBT 036) Blood Group Alleles

General description: The Augustine (AUG) blood group system consists of two antigens carried on a multipass membrane glycoprotein equilibrative nucleoside transporter 1 (ENT1). It consists of 456 amino acids with an intracellular amino terminus and extracellular carboxyl terminus.

Gene name: *SLC29A1*  
 Number of exons: 13  
 Initiation codon: Within exon 1  
 Stop codon: Within exon 13  
 Entrez Gene ID: 2030  
 LRG sequence: NG\_042893.1 (genomic)  
 NM\_001304463.1 (transcript)  
 Reference allele: *AUG\*01*

Reference allele <i>AUG*01</i> encodes At <sup>a</sup>				
Phenotype	Allele name	Nucleotide change	Exon	Predicted amino acid change
At(a+) AUG:1	<i>AUG*01</i>			
At(a-) AUG:1,-2	<i>AUG*02</i>	c.1171G>A	12	p.Glu391Lys
Null phenotype				
At(a-) AUG: -1,-2	<i>AUG*01N</i>	c.589+1G>C	Intron 6-7	p.Ser197fs