

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 ^a				
Phenotype	Allele name	Nucleotide change	Exon	Predicted amino acid change
At(a+) AUG:1,2,-3	<i>AUG*01</i>			
At(a-) AUG:1,-2,-3	<i>AUG*02</i>	c.1171G>A	12	p.Glu391Lys
AUG:1,2,3†	AUG*03	c.1159A>C	12	p.Thr387Pro
Null phenotype				
At(a-) AUG: -1,-2	<i>AUG*01N</i>	c.589+1G>C	Intron 6-7	p.Ser197fs

†Provisional number