

Product datasheet for **TP720307**

GNS (NM_002076) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human glucosamine (N-acetyl)-6-sulfatase (GNS)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	Val37-Leu552
Tag:	C-His
Predicted MW:	59.3 kDa
Concentration:	lot specific
Purity:	>95% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Supplied as a 0.2 um filtered solution of 20mM Tris-HCl, 150mM NaCl, 10% Glycerol, pH 8.0.
Endotoxin:	< 0.1 EU per µg protein as determined by LAL test
Storage:	Store at < -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Stability:	Stable for at least 6 months from date of receipt under proper storage and handling conditions.
RefSeq:	NP_002067
Locus ID:	2799
UniProt ID:	P15586
Cytogenetics:	12q14.3
Synonyms:	G6S
Summary:	The product of this gene is a lysosomal enzyme found in all cells. It is involved in the catabolism of heparin, heparan sulphate, and keratan sulphate. Deficiency of this enzyme results in the accumulation of undegraded substrate and the lysosomal storage disorder mucopolysaccharidosis type IIID (Sanfilippo D syndrome). Mucopolysaccharidosis type IIID is the least common of the four subtypes of Sanfilippo syndrome. [provided by RefSeq, Jul 2008]
Protein Families:	Druggable Genome, Transmembrane



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Protein Pathways: Glycosaminoglycan degradation, Lysosome, Metabolic pathways

Product images:

