

Product datasheet for **TP720307L**

GNS (NM_002076) Human Recombinant Protein

Product data:

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|---------------------------------------|---|
| 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: | Provided lyophilized from a 0.2 µm filtered solution of 20 mM Tris-HCl, 150 mM NaCl |
| Endotoxin: | < 0.1 EU per µg protein as determined by LAL test |
| Storage: | Store at -80°C. |
| 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 , A0A024RBC5 , Q7Z3X3 |
| 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:

