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Human recombinant protein SORD

Human Recombinant SORD
Catalog # PBV10624r

Specification

Human recombinant protein SORD - Product info

Primary Accession	Q00796
Concentration	0.5
Calculated MW	40.4 kDa (377 aa, 1-357 aa + NT His Tag) KDa

Human recombinant protein SORD - Additional Info

Gene ID	6652
Gene Symbol	SORD

Other Names
Sorbitol dehydrogenase

Gene Source	Human
Source	E. Coli
Assay&Purity	SDS-PAGE; ≥90%
Assay2&Purity2	N/A;
Recombinant	Yes
Results	>0.2 units/mg
Sequence	MGSSHHHHHH SSGLVPRGSH MAAAAKPNNL SLVVHGPGDL RLENYPIPEP GPNEVLLRMH SVGICGSDVH YWEYGRIGNF IVKKPMVLGH EASGTVEKVG SSVKHLKPGD RVAIEPGAPR ENDEFCKMGR YNLSPSIFFC ATPPDDGNLC RFYKHNAAFC YKLPDNVTFE EGALIEPLSV GIHACRRGGV TLGHKVLVCG AGPIGMVTLL VAKAMGAAQV VVTDLSATRL SKAKEIGADL VLQISKESPQ EIARKVEGQL GCKPEVTIEC TGAEASIQAG IYATRSGGTL VLVGLGSEMT TVPLLHAAIR EVDIKGVFRY CNTWPVAISM LASKSVNVKP LVTHRFPLEK ALEAFETFKK GLGLKIMLKC DPSDQNP

Format
Liquid

Storage
-80°C; 0.5 mg/ml solution in 20 mM Tris-HCl buffer (pH 8.0) containing 0.2 M NaCl, 5 mM DTT and 20% glycerol.

Human recombinant protein SORD - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Human recombinant protein SORD - Images

Human recombinant protein SORD - Background

SORD, also known as L-iditol 2-dehydrogenase or SORD1, is a 357 amino acid member of the zinc containing alcohol dehydrogenase family. It is widely expressed with highest expression in kidney and in the lens of the eye. SORD enzymatically catalyzes the zinc-dependent interconversion of polyols, such as sorbitol and xylitol, to their respective ketoses.

Human recombinant protein SORD - References

Lee F.K.,et al.Genomics 21:354-358(1994).
Iwata T.,et al.Genomics 26:55-62(1995).
Carr I.M.,et al.Eur. J. Biochem. 245:760-767(1997).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Zody M.C.,et al.Nature 440:671-675(2006).