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SORD, 1-357aa, Human, His tag, E.coli

产品货号: TP04006

第三版

别名: Sorbitol dehydrogenase L iditol 2 dehydrogenase, SDH, SORD, SORD 1, SORD1

描述: 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. Recombinant human SORD protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

配方: Liquid. In 20 mM Tris-HCl buffer (pH8.0) containing 0.2M NaCl, 5mM DTT, 20% glycerol

分子量: 40.4 kDa (377aa) confirmed by MALDI-TOF

序列:

MGSSHHHHHSSGLVPRGSHMAAAKPNLNLVHVGPGDLRLNYPPEPGPNEVLLRMHSVGICGSDVHYWEYGRIG
NFIVKKPMVLGHEASGTVEKVGSSVKHLKPGDRVAIEPGAPRENDEFCKMGRYNLSPSIFFCATPPDDGNLCRFYKHNA
FCYKLPDNTFEEGALIEPLSVGIHACRRGGVTLGHKVLVCGAGPIGMVTLVAKAMGAAQVVVTDLSATRLSKAKEIGA
DLVLQISKESPQEIARKVEGQLGCKPEVTIETGAEASIQAGIYATRSGGTLVLVGLGSEMTPVLLHAAIREVDIKGVFRYC
NTWVPAISMLASKSVNVKPLVTHRFPLEKALEAFETFKKGLGLKIMLKCDPSDQNP

纯度: > 95% by HPLC

浓度: 0.5 mg/ml (determined by Bradford assay)

内毒素: <1.0 EU per 1 ug of protein (determined by LAL method)

存储: +4 ° C 保存 (1-2 周). 长期保存在 -20 ° C 或者 -70 ° C. 避免反复冻融.