

Product datasheet

Recombinant Human Glucose 6 phosphate isomerase protein ab87625

2 References 1 图像

概述

产品名称 重组人Glucose 6 phosphate isomerase蛋白
蛋白长度 Full length protein

描述

性质 Recombinant
来源 Escherichia coli

氨基酸序列

种属 Human

序列

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MGSSHHHHHH SGLVPRGSH MAALTRDPQF
QKLQWYREH RSELNLRRLF DANKDRFNHF
SLTLNTNHGH ILVDYSKNLV TEDVMRMLVD
LAKSRGVEAA RERMFNGEKI NYTEGRAVLH
VALRNRSNTP ILVDGKDVMPEVNKVLDMK
SFCQVRVSGD WKGYTGKTIT DVINIGIGGS
DLGPLMVTEA LKPYSGGPR VWYVSNIDGT
HIAKTLAQLN PESSLFIIAS KTFTTQETIT
NAETAKEWFL QAAKDPSAVA KHVALSTNT
TKVKEFGIDP QNMFEFWDWV GGRYSLWSAI
GLSIALHVGFDNFEQLLSGA HWMDQHFRRT
PLEKNAPVLL ALLGIWYINC FGCETHAMPL
YDQYLHRFAA YFQQGDMESN GKYITKSGTR
VDHQTGPVWV GEPGTNGQHA FYQLIHQGTK
MIPCDFLIPV QTQHPIRKGL HHKILLANFL
AQTEALMRGK STEEARKELQ AAGKSPEDLE
RLLPHKVFEG NRPTNSIVFT KLTPFMLGAL
VAMYEHKIFV QGIIWDINSF DQWVELGKQ
LAKKIEPELD GSAQVTSHDA STNGLINFIK
QQREARVQ
    
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技术指标

Our [Abpromise guarantee](#) covers the use of **ab87625** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	SDS-PAGE Western blot
纯度	> 95 % SDS-PAGE. ab87625 is purified using conventional chromatography techniques. Endotoxin: < 1.0 EU per 1 µg of protein (determined by LAL method).
形式	Liquid

制备和贮存

稳定性和存储	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Preservative: None Constituents: 10% Glycerol, 20mM Tris HCl, 1mM DTT, pH 8.0
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常规信息

功能	Besides it's role as a glycolytic enzyme, mammalian GPI can function as a tumor-secreted cytokine and an angiogenic factor (AMF) that stimulates endothelial cell motility. GPI is also a neurotrophic factor (Neuroleukin) for spinal and sensory neurons.
通路	Carbohydrate degradation; glycolysis; D-glyceraldehyde 3-phosphate and glycerone phosphate from D-glucose: step 2/4.
疾病相关	Defects in GPI are the cause of hemolytic anemia non-spherocytic due to glucose phosphate isomerase deficiency (HA-GPID) [MIM:613470]. It is a form of anemia in which there is no abnormal hemoglobin or spherocytosis. It is caused by glucose phosphate isomerase deficiency. Severe GPI deficiency can be associated with hydrops fetalis, immediate neonatal death and neurological impairment.
序列相似性	Belongs to the GPI family.
翻译后修饰	Phosphorylation at Ser-185 by CK2 has been shown to decrease enzymatic activity and may contribute to secretion by a non-classical secretory pathway. ISGylated.
细胞定位	Cytoplasm. Secreted.

图片



15% SDS-PAGE showing ab87625 at approximately 65kDa (3 μ g).

SDS-PAGE - Glucose 6 phosphate isomerase protein (His tag) (ab87625)

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