

Product datasheet

Recombinant Human Glucose 6 phosphate isomerase protein ab87625

2 References 2 图像

概述

产品名称 Recombinant人Glucose 6 phosphate isomerase protein
 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
 MGSSHHHHHH SGLVPRGSH MAALTRDPQF
 QKLQWYREH RSELNLRRLF DANKDRFNHF
 SLTLNTNHGH ILVDYSKNLV TEDVMRMLVD
 LAKSRGVEAA RERMFNGEKI NYTEGRAVLH
 VALRNRSNTP ILVDGKDVMPEVNKVLKMK
 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 DQWGVELGKQ
 LAKKIEPELD GSAQVTSHDA STNGLINFIK
 QQREARVQ

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

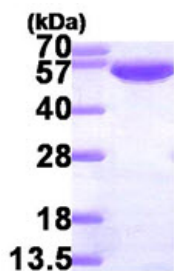
制备和贮存

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

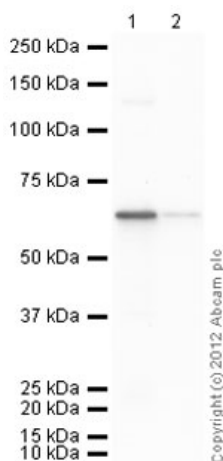
功能	Besides it's role as a glycolytic enzyme, mammalian GPI can function as a tumor-secreted cytokine and an angiogenic factor (AMF) that stimulates endothelial cell motility. GPI is also a neurotrophic factor (Neuroleukin) for spinal and sensory neurons.
通路	Carbohydrate degradation; glycolysis; D-glyceraldehyde 3-phosphate and glycero 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 (3µg).

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



All lanes : Anti-Glucose 6 phosphate isomerase antibody (ab86950) at 1 µg/ml

Lane 1 : Recombinant Human Glucose 6 phosphate isomerase protein (ab87625) at 0.1 µg

Lane 2 : Recombinant Human Glucose 6 phosphate isomerase protein (ab87625) at 0.01 µg

Secondary

Goat Anti-Rabbit IgG H&L (HRP) preadsorbed (ab97080) at 1/5000 dilution

Developed using the ECL technique

Performed under reducing conditions.

Western blot - Anti-Glucose 6 phosphate isomerase antibody (

ab86950

)

Exposure time : 30 seconds

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