

32-2387: GPD1L Recombinant Protein

Alternative Name : Glycerol-3-phosphate dehydrogenase 1-like protein,GPD1-L,GPD1L,KIAA0089.

Description

Source : Escherichia Coli. GPD1L Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 371 amino acids (1-351 a.a.) and having a molecular mass of 40.6kDa.GPD1L is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Glycerol-3-phosphate dehydrogenase 1-like protein (GPD1L) converts sn-glycerol 3-phosphate to glycerone phosphate. GPD1L is found in the cytoplasm, associated with the plasma membrane, where it binds the sodium channel, voltage-gated, type V, alpha subunit (SCN5A). Mutations in the GPD1L gene are the cause of SIDS (sudden infant death syndrome) and Brugada syndrome type 2 (an autosomal dominant tachyarrhythmia).

Product Info

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| Amount : | 20 µg |
| Purification : | Greater than 95.0% as determined by SDS-PAGE. |
| Content : | GPD1L protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 20% glycerol and 1mM DTT. |
| Storage condition : | HSD17B14 should be stored desiccated below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles. |
| Amino Acid : | MGSSHHHHHH SSSLVPRGSH MAAAPLKVCI VGSGNWGSAV AKIIGNNVKK LQKFASTVKM WVFEETVNGR KLTDIINNDH ENVKYLPGHK LPENVVAMSN LSEAVQDADL LVFVIPHQFI HRICDEITGR VPKKALGITL IKGIDEGPEG LKLISDIIRE KMGIDISVLM GANIANEVAA EKFCETTIGS KVMENGLLFK ELLQTPNFRI TVVDDADTVE LCGALKNIVA VGAGFCDGLR CGDNTKAAVI RLGLMEMIAF ARIFCKGQVS TATFLESCGV ADLITTCYGG RNRVVAEFA RTGKTIEELE KEMLNGQKLQ GPQTSAEVYR ILKQKGLLDK FPLFTAVYQI CYESRPVQEM LSCLQSHPEH T. |

