

## GRHPR Human

**Description:** GRHPR Recombinant Human produced in E.Coli is a single, non-glycosylated polypeptide chain containing 348 amino acids (1-328 a.a.) and having a molecular mass of 37.8 kDa. The GRHPR is fused to 20 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques.

Catalog #: ENPS-528

For research use only.

**Synonyms:** EC 1.1.1.79, GLXR, GLYD, GRHPR, PH2.

**Source:** Escherichia Coli.

**Physical Appearance:** Sterile filtered colorless solution.

**Amino Acid Sequence:** MGSSHHHHHH SSGLVPRGSH MRPVRLMKVF VTRRIPAEGR  
VALARAADCE VEQWDSDEPI PAKELERGVA GAHGLLCLLS DHVDKRILDA AGANLKVIST  
MSVGIDHLAL DEIKKRGIRV GYTPDVLTD TAE LAVSLLL TTCRRLPEAI EEVKNGGWTS  
WKPLWLCGYG LTQSTVGIIG LGRIGQAIAR RLKPFQVQRF LYTGRQRPPE EAAEFQAEFV  
STPELAAQSD FI

**Purity:** Greater than 95.0% as determined by SDS-PAGE.

**Formulation:**

GRHPR Human solution containing 20mM Tris HCL pH-8, 0.2M NaCl, 5mM DTT & 20% glycerol.

**Stability:**

GRHPR Human although stable at 4°C for 1 week, should be stored desiccated below -18°C.  
Please prevent freeze thaw cycles.

**Usage:**

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**Introduction:**

GRHPR located in the cytosol, belongs to the D-isomer specific 2-hydroxyacid dehydrogenase family of proteins. GRHPR is widely expressed in liver. GRHPR has widespread tissue expression and is involved in metabolism. GRHPR is an enzyme with hydroxypyruvate reductase, glyoxylate reductase, and D-glycerate dehydrogenase enzymatic activities.

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