

Recombinant Human UDP-glucuronosyltransferase 1-4(UGT1A4)

Catalog No: #AP74587



Package Size: #AP74587-1 20ug #AP74587-2 100ug #AP74587-3 1mg

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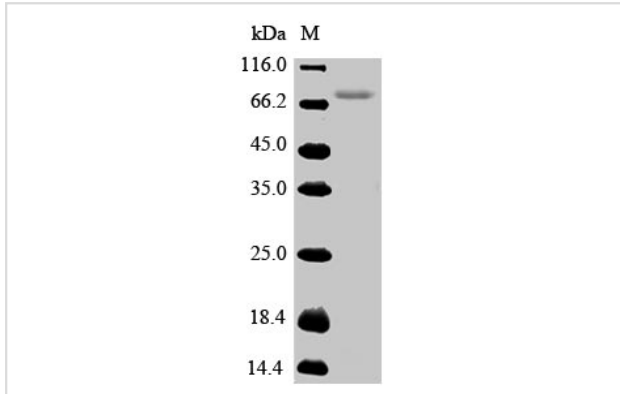
Description

Product Name	Recombinant Human UDP-glucuronosyltransferase 1-4(UGT1A4)
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:29-534aaSequence Info:Full Length
Other Names	UDPGT 1-4 Short name: UGT1*4 Short name: UGT1-04 Short name: UGT1.4 Alternative name(s): Bilirubin-specific UDPGT isozyme 2 Short name: hUG-BR2 UDP-glucuronosyltransferase 1-D Short name: UGT-1D Short name: UGT1D UDP-glucuronosyltransferase 1A4
Accession No.	P22310
Uniprot	P22310
GeneID	54657;
Calculated MW	61 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	GKVLVVPTDGSPWLSMREALRELHARGHQAVVLTPEVNMHIKEEKFFTLTAYAVPWTQKEFDRVTLGYTQGF FETEHLKRYRSMAIMNNVSLALHRCCVELLHNEALIRHLNATSFDDVLTDPVNLGAVLAKYLSIPAVFFWR YIPCDLDFKGTQCPNPSSYIPKLLTTNSDHMTFLQRVKNMLYPLALSYICHTFSAPYASLASELFQREVSVVDLV SYASVWLFRRGDFVMDYPRPIMPNMVFIGGINCANGKPLSQEFEAYINASGEHGIVVFSLGSMVSEIPEKKAMAI ADALGKIPQTVLWRYTGTRPSNLANTILVKWLPQNDLLGHPMTRAFITHAGSHGVYESICNGVPMVMMPLFG DQMDNAKRMETKGAGVTNLVLEMTSEDLENALKAVINDKSYKENIMRLSSLHKDRPVEPLDLAVFWVEFVMR HKGAPHLRPAADLTWYQYHSLDVIGFLLAVVLTVAFITFKCCAYGYRKCLGKKGRVKKAHKSKTH
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability

of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Images



Background

UDPGT is of major importance in the conjugation and subsequent elimination of potentially toxic xenobiotics and endogenous compounds. This isoform glucuronidates bilirubin IX-alpha to form both the IX-alpha-C8 and IX-alpha-C12 monoconjugates and diconjugate. Isoform 2 lacks transferase activity but acts as a negative regulator of isoform 1 (By similarity).

References

"Molecular pathogenesis of Gilbert's syndrome: decreased TATA-binding protein binding affinity of UGT1A1 gene promoter."Hsieh T.Y., Shiu T.Y., Huang S.M., Lin H.H., Lee T.C., Chen P.J., Chu H.C., Chang W.K., Jeng K.S., Lai M.M., Chao Y.C.Pharmacogenet. Genomics 17:229-236(2007)
.Research Topic:Signal Transduction

Note: This product is for in vitro research use only