Recombinant Human UGT1A4 Protein (29-534 aa), His-tagged

Cat. No. UGT1A4-2109H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human UGT1A4 Protein (29-534 aa) is produced by E. coli expression system. This protein is fused with a 6xHis tag at the N-terminal. Research Area: Signal Transduction. Protein Description: Full Length of Mature Protein.
Species	Human
Source	E.coli
ProteinLength	29-534 aa
Description	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).
Form	Tris-based buffer,50% glycerol
Molecular Mass	61.0 kDa
AA Sequence	GKVLVVPTDGSPWLSMREALRELHARGHQAVVLTPEVNMHIKEEKFFTLTAYAVPW TQKEFDRVTLGYTQGFFETEHLLKRYSRSMAIMNNVSLALHRCCVELLHNEALIRHL NATSFDVVLTDPVNLCGAVLAKYLSIPAVFFWRYIPCDLDFKGTQCPNPSSYIPKLLT TNSDHMTFLQRVKNMLYPLALSYICHTFSAPYASLASELFQREVSVVDLVSYASVWL FRGDFVMDYPRPIMPNMVFIGGINCANGKPLSQEFEAYINASGEHGIVVFSLGSMVS

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

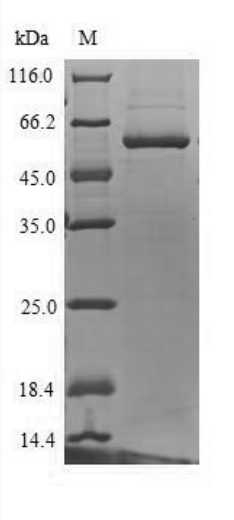
	EIPEKKAMAIADALGKIPQTVLWRYTGTRPSNLANNTILVKWLPQNDLLGHPMTRAFI THAGSHGVYESICNGVPMVMMPLFGDQMDNAKRMETKGAGVTLNVLEMTSEDLEN ALKAVINDKSYKENIMRLSSLHKDRPVEPLDLAVFWVEFVMRHKGAPHLRPAAHDLT WYQYHSLDVIGFLLAVVLTVAFITFKCCAYGYRKCLGKKGRVKKAHKSKTH
Purity	> 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
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 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA with reconstitution instruction is sent along with the products.

GENE INFORMATION

Gene Name	UGT1A4 UDP glucuronosyltransferase 1 family, polypeptide A4 [Homo sapiens]
Official Symbol	UGT1A4
Synonyms	UGT1A4; HUG BR2; UGT1D; UDPGT; UGT-1D; UGT1.4; HUG-BR2; UGT1-04; UDPGT 1-4;
Gene ID	54657
mRNA Refseq	NM_007120
Protein Refseq	NP_009051

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MIM	606429
UniProt ID	P22310



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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