

Recombinant *Bacillus* sp. UGL Protein (1-377 aa), His-SUMO-tagged

Cat. No. UGL-1898B **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant <i>Bacillus</i> sp. (strain GL1) UGL Protein (1-377 aa) is produced by <i>E. coli</i> expression system. This protein is fused with a 6xHis-SUMO tag at the N-terminal. Protein Description: Full Length.
Species	<i>Bacillus</i> sp.
Source	<i>E. coli</i>
ProteinLength	1-377 aa
Description	Catalyzes the hydrolysis of oligosaccharides with unsaturated glucuronyl residues at the non-reducing terminal, to a sugar or an amino sugar, and an unsaturated D-glucuronic acid (GlcA), which is nonenzymatically converted immediately to alpha-keto acid.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	58.9 kDa
AA Sequence	MWQQAIGDALGITARNLKKFGDRFPVSDGSNKYVLNDNTDWTDFWWSGILWLCY EYTGDEQYREGAVRTVASFRERLDRFENLDHHDIGFLYLSAKAQWIVEKDESARKL ALDAADVLMRRWRADAGIIQAWGPKGDPENGGRIIIDCLLNLPLLLWAGEQTGDPEY RRVAEAHALKSRRFLVRGDDSSYHTFYFDPENGN AIRGGTHQGNTDGSTWTRGQA WGIYGFALNSRYLGNADLLETAKRMARHFLARVPEDGVVYWD FEVPQEPSSYRDS

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SASAITACGLLEIASQLDESDPERQRFIDAAKTTVTALRDGYAERDDGEAEGFIRRG
YHVRGGISPDDYTIWGDYYYLEALLRLERGVGTGYWYERGR

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

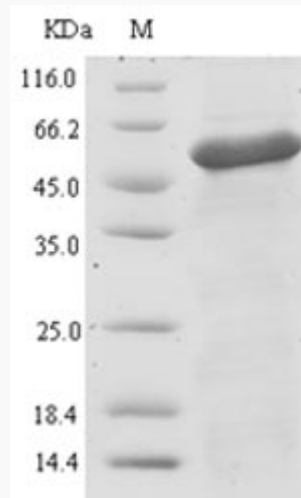
Synonyms ugl; Glycosaminoglycan hydrolase Glycuronidase Unsaturated uronic acid hydrolase;

UniProt ID [Q9RC92](#)

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

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