
Product Data Sheet

Product Name: LGALS8 Human, His
 Cat. No.: GP20290
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Gal-8; PCTA1; Po66-CBP; Prostate carcinoma tumor antigen 1.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MMLSLNNLQN IYNPVIPFV GTIPDQLDPG TLVIRGHVP SDADRFQVDL QNGSSMKPRA DVAHFHFNPRF KRAGCIVCNT LINEKWGREE ITYDTPFKRE KSFEIVIMVL KDKFQVAVNG KHTLLYGHRI GPEKIDTLGI YGKVNIHSIG FSFSSDLQST QASSLELTEI SRENVPKSGT PQLRLPFAAR LNTPMGPGRT VVKGEVNAN AKSFNVDLLA GKSKDIALHL NPRLNIKAFV RNSFLQESWG EEERNITSFP FSPGMYFEMI IYCDVREFKV AVNGVHSLEY KHRFKELSSI DTLEINGDIH LLEVRSW.		
Formulation	The Galectin-8 His tag 0.5mg/ml protein solution contains 20mM Tris-HCl pH-8, 0.1M NaCl, 10% glycerol & 1mM DTT.		

Introduction

LGALS8 is a prostate-specific antigen that is solely overexpressed in malignant tumors and thus is a supplementary specific identifier of malignancies. LGALS8 is part of the galectin gene family which facilitates both cell-cell and cell matrix interactions in a method parallel to the selectin subgroup of C-type lectins.

Biological Activity

The ED50 for this effect is 5µC10ug/ml. Measured by its ability to agglutinate human red blood cells corresponding to a specific activity of 100-200IU/mg.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Caution: Product has not been fully validated for medical applications. For research use only.

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Address: 10292 Central Ave. #205, Montclair, CA, USA

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Background

LGALS8 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 337 amino acids (1-317 a.a.) and having a molecular mass of 37.9 kDa. The LGALS8 is fused to a 20 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques.

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