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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Galectin-8, His Tag, human recombinant (rHuLGALS8-His)

Catalog No: 97372
Lot No: XXXXX
Source: *E. coli*
Synonyms: Gal-8, PCTA1, Po66-CBP, Prostate carcinoma tumor antigen 1

Background

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.

Description

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. LGALS8 is fused to a 20 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques.

Physical Appearance

Sterile filtered colorless solution.

Formulation

The Galectin-8 His tag 0.5 mg/ml protein solution contains 20 mM Tris-HCl pH 8, 0.1 M NaCl, 10% glycerol and 1 mM DTT.

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.

Purity

Greater than 90.0% as determined by SDS-PAGE.

Amino Acid Sequence

MGSSHHHHHH SSSLVPRGSH MMLSLNNLQN I IYNPVIPIFV GTIPDQLDPG TLIVIRGHVP SDADRFQVDL QNGSSMKPRA
DVAHFHNPRF KRAGCIVCNT LINEKWGREE ITYDTPFKRE KSFEIVIMVL KDKFQVAVNG KHTLLYGHRI GPEKIDTLGI
YGKVNHSIG FSFSSDLQST QASSLELTEI SRENVKSGT PQLRLPFAAR LNTPMGPGRT VVVKGEVNAN AKSFNVDLLA
GKSKDIALHL NPRLNIKAFV RNSFLQESWG EEERNITSFP FSPGMYFEMI IYCDVREFKV AVNGVHSLEY KHRFKELSSI
DTLEINGDIH LLEVRWS

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