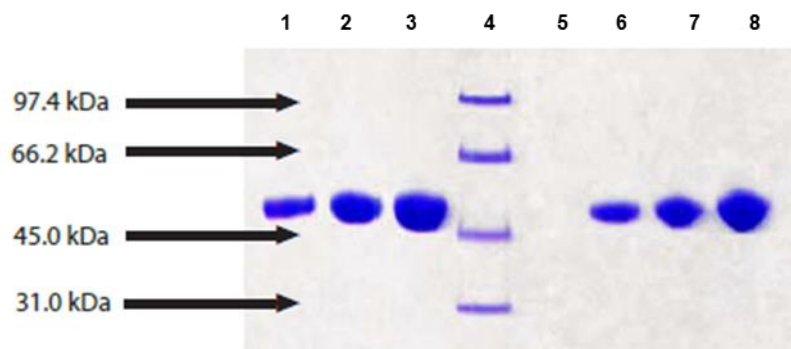


Leucine-rich Alpha 2 Glycoprotein-1 (LRG1), Human Plasma

06/19

CATALOG NO:	P1431-50 50 µg
ALTERNATE NAMES:	Leucine-rich alpha-2-glycoprotein, LRG, LRG1
MOL. WT.	50,000
SOURCE:	Human Plasma
PURITY:	>95% SDS-PAGE.
EXTENSION COEFFICIENT (E): 0.1% at 280nm 1cm pathway	0.70
FORM:	Liquid
FORMULATION:	In 20 mM Tris, 20 mM NaCl, pH 7.5
STORAGE CONDITIONS:	Store at -20°C in aliquots. Avoid repeated freezing and thawing cycles.

DESCRIPTION: LRG1 binds cytochrome c, an initiator/amplifier of programmed cell death (apoptosis), and by binding cytochrome c, is thought to play a role in cell survival. LRG1 is a biomarker associated with several cancers, including non-small cell lung cancer, colorectal cancer, and pancreatic cancer. Recent studies have shown it is three-fold more abundant in ovarian cancer serum compared to non-cancer control serum. LRG1 levels are only moderately correlated with CA125 levels. Elevated levels of LRG1 in the cerebral spinal fluid are being studied as markers for the early diagnosis of Parkinson's disease and progressive supranuclear palsy. In normal plasma, LRG1 has a concentration of 21-50 µg/ml. It is an acute phase protein with levels elevated in patients with bacterial infections; interestingly, during the inflammatory response, LRG1 levels are not correlated with CRP levels.



SDS-PAGE (4-12%) of LRG1:

1. LRG1- 5 µg (reduced/heated)
2. LRG1- 10 µg (reduced/heated)
3. LRG1- 20 µg (reduced/heated)
4. MW Marker
5. Blank
6. LRG1- 5 µg (no reduced/heat)
7. 10 µg (no reduced/heat)
8. 20 µg (no reduced/heat)

Shown to be non-reactive for HBsAg, anti-HCV, anti-HBc, and negative for anti-HIV 1 & 2 by FDA approved tests.

RELATED PRODUCTS:

- Antithrombin III, Human Plasma (7298)
- Alpha 2 Macroglobulin, Human Plasma (7296)
- Alpha 1 Antichymotrypsin, Human Plasma (7293)
- Activated Protein C, Human Plasma (7683)
- Alpha 1 Antitrypsin, Human Plasma (7294)

FOR RESEARCH USE ONLY! Not to be used on humans.